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ABSTRACT

Designed to assist persons who need to compare and use information obtained under various classification systems, this volume links the Department of Education vocational program categories in the new Classification of Instructional Programs (CIP) to the occupations in the Dictionary of Occupational Titles (DOT), the Standard Occupational Classification (SOC), the 1980 Census Occupational Classification, and to the Occupational Employment Statistics (OES) Survey and Standard Industrial Classification (SIC). This edition has three major sections. Covered first are the background behind the development of the code crosswalk, its potential uses and applications, the classification systems utilized in the crosswalk tables, and related references. In the second section, various references are provided, including lists of codes, code relationships and selected code applications from the various classification systems such as the DOT, SOC, Census, OES, SIC, and the CIP. The third section, arranged by major program areas, contains the crosswalk tables of the CIP program codes, titles and descriptors displayed with the related codes and titles from the DOT, the OES survey, the OES survey-based matrix, the SOC, and the 1980 census system. (MN)

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NOICC
National Occupational
Information Coordinating
Committee

VOCATIONAL PREPARATION AND OCCUPATIONS

Third Edition

VOLUME 1

Educational and Occupational Code Crosswalk

DEPARTMENT OF LABOR

Commissioner
Bureau of Labor Statistics

Assistant Secretary
Employment and Training Administration

DEPARTMENT OF EDUCATION

Administrator
National Center for Education Statistics

Assistant Secretary
Office of Vocational and Adult Education

ABOUT NOICC

The National Occupational Information Coordinating Committee (NOICC) and its counterpart State Occupational Information Coordinating Committees (SOICCs) were created by the Education Amendments of 1976 (Public Law 94-482) with a mandate to:

- develop and implement a national, State and local occupational information system to meet the common occupational information needs of vocational education and employment and training program administrators and planners, and
- improve coordination between, and communication among, such administrators and planners, as well as employment security agency administrators, research personnel and others.

The Comprehensive Employment and Training Act (CETA) Amendments of 1978 (Public Law 95-524) call for NOICC to:

- give special attention to the labor market information needs of youth.

The following officials are named in the 1976 law as members of NOICC:

Commissioner of Education,*

Administrator of the National Center for Education Statistics,

Assistant Secretary for Employment and Training, and

Commissioner of Labor Statistics.

The members of each SOICC, also specified in the law, are representatives of the:

State Board administering vocational education,

State employment security agency,

State employment and training council, and

State agency administering the vocational rehabilitation program.

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* The function of the U.S. Office of Education was moved to the U.S. Department of Education subsequent to the 1976 law.

December 1982

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Home Economics Education

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Marketing and Distributive Education

Elinor Burgess, Linda Doty, Kathleen Kennedy, Edwin L. Nelson, George E. Patton, Gail Trapnell

Technical Education

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Trade and Industrial Education

Gerald Cheek, Marlene Einstein, Norman Kalenson, Bessie Kuhn, Ronald R. Leonard, Robert Levan, Robert L. Miller, Donald L. Rathbun, James Richter, Talmadge L. Rushing, James Wiblin

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FOREWORD

In a dynamic and complex society such as ours, it becomes increasingly important to maintain as stable an economy as possible. One way to do this is to insure the supply of qualified, well-trained workers who will fill the requirements of the labor market. To determine where the demand for these workers exists and how they may best be trained to meet that demand, occupational and educational data systems have been created. The classification systems used to collect pertinent data are numerous and varied.

The need to establish uniform relationships among these data classification systems has long been recognized. It was given added impetus by the passage of the Education Amendments of 1976 (P.L. 94-482) and the Comprehensive Employment and Training Amendments of 1978 (P.L. 95-524). These laws contain mandates that require measuring the effect of occupational education, training and services upon the labor market. They reinforce previous legislation that emphasized the strong relationship that should exist between the world of education and the world of work. Two essential elements of these laws are that:

1. job training programs are to be responsive to the projected number of openings (demand) within a defined labor market as compared with the anticipated number of workers available to fill these openings (supply); and
2. labor market information, including career outlook and other appropriate information required by youth in matching "career desires with available and anticipated labor demand," shall be encouraged and supported by the National Occupational Information Coordinating Committee (NOICC).

Because of the mandates expressed in the legislation, there has been a need to establish better and more realistic linkages between labor market information and occupational education and training information. Sound data are needed by vocational educators and job training planners to relate current and projected labor force requirements to occupational education, training programs and services. To accomplish this, there has been an urgent need to revise and update existing cross-classification publications.

NOICC, in cooperation with its member agencies, has responded to these mandates by developing essential cross-classification resources. Vocational Preparation and Occupations (VPO) links educational and occupational classification structures that are in current use. Both the VPO publication and its accompanying computer tape should prove valuable in efforts to provide information through the occupational information system being developed by NOICC and its counterpart State Occupational Information Coordinating Committees (SOICCs). The crosswalk also should prove useful in related efforts at the national level by the Bureau of Labor Statistics and other Federal agencies.

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The cross-code structure provided in the VPO and the occupational information system will aid the following kinds of users:

1. vocational education and training program planners who are responsible for designing programs that will meet the economy's labor needs and serve the employment needs of program participants;
2. job placement specialists and counselors who help individuals prepare for occupations and careers and find employment using their skills and interests;
3. curriculum developers and instructors who want to know that the skills being taught are those which the student will need on the job;
4. policy makers who need a thorough knowledge of the relationships between education and work tc guide them in the formation of both short- and long-range policies; and
5. the student or job seeker who must find out in which programs to enroll and which occupational skills to acquire to meet his/her life goals.

To acquaint these potential users with the VPO, NOICC, through a grant to the Wisconsin SOICC, is preparing an extensive training package. This package will contain a Presenter's Guide with supporting visuals and a Participant's Guide with worksheets. The package will include: an orientation to the content and organization of Volume 1; background information about the sources of occupational information; descriptions of the structure and content of various classification systems; and applications and uses of the VPO in guidance and counseling, program administration, and program planning.

The VPO Training Package will be available through State Occupational Information Coordinating Committees. (See pages vii and viii for addresses.)

State Occupational Information Coordinating Committees

ALABAMA SOICC	First Southern Towers, Suite 402, 100 Commerce St, Montgomery, AL 36130
ALASKA SOICC	Pouch F - State Office Bldg, Juneau, AK 99811
AMERICAN SAMOA SOICC	Office of Manpower Resources, American Samoa Govt, Pago Pago American Samoa 96799
ARIZONA SOICC	1535 West Jefferson, Room 225, Phoenix, AZ 85007
ARKANSAS SOICC	Post Office Box 2981, Little Rock, AR 72203
CALIFORNIA SOICC	1027 10th Street, #302, Sacramento, CA 95814
COLORADO SOICC	218 Centennial Bldg, 1313 Sherman St, Denver, CO 80203
CONNECTICUT SOICC	90 Washington St, 1st Floor, Hartford, CT 06115
DELAWARE SOICC	Drummond Office Plaza, Suite 3303, Bldg #3, Newark, DE 19711
DISTRICT of COLUMBIA SOICC	500 C Street N.W., Suite 207, Washington, DC 20001
FLORIDA SOICC	124 West Jefferson St, Tallahassee, FL 32301
GEORGIA SOICC	501 Pulliam Street, S.W., Room 339, Atlanta, GA 30312
GUAM SOICC	Post Office Box 2817, Agana, Guam 96910
HAWAII SOICC	1164 Bishop St, Suite 502, Honolulu, HI 96813
IDAHO SOICC	Len B. Jordan Bldg - Room #301, 650 W. State St, Boise, ID 83720
ILLINOIS SOICC	217 East Monroe, Suite 203, Springfield, IL 62706
INDIANA SOICC	17 West Market St, 434 Illinois Bldg, Indianapolis, IN 46204
IOWA SOICC	523 East 12th Street, Des Moines, IA 50319
KANSAS SOICC	512 West Sixth St, Topeka, KA 66603
KENTUCKY SOICC	275 E. Main St, D.H.R. Bldg., 2nd Floor East, Frankfort, KY 40621
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MAINE SOICC	State House Station 71, Augusta, ME 04333
MARYLAND SOICC	Jackson Towers, Suite 304, 1123 N. Eutaw St, Baltimore, MD 21201
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MISSISSIPPI SOICC	Vocational Technical Education, PO Box 771, Jackson, MS 39205
MISSOURI SOICC	421 East Dunklin Street, Jefferson City, MO 65101
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NEW HAMPSHIRE SOICC	Dept of Employment and Training, 155 Manchester, Concord, NH 03301
NEW JERSEY SOICC	Post Office Box CN056, Trenton, NJ 08625
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NEW YORK SOICC	State Dept of Labor, Labor Dept Bldg #12, State Campus--Room 559A, Albany, NY 12240

NORTH CAROLINA SOICC	Dept of Administration, 112 W. Lane St, 218 Howard Bldg Raleigh, NC 27611
NORTH DAKOTA SOICC	Pinehurst Bldg, Post Office Box 1537, Bismarck, ND 58502
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VIRGINIA SOICC	Vocational & Adult Ed, Dept of Education, P O Box 6Q, Richmond, VA 23216
VIRGIN ISLANDS SOICC	Dept of Education, P O Box 630, Charlotte Amalie, St. Thomas, Virgin Islands 00801
WASHINGTON SOICC	Commission for Vocational Education, Bldg 17, Airdustrial Park Mail Stop LS-10, Olympia, WA 98504
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WISCONSIN SOICC	Educational Sciences Bldg, Room 952, 1025 W. Johnson St, Madison, WI 53706
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INTRODUCTION

BACKGROUND

Different agencies collect and compile information for different purposes, using different classification systems. Therefore, the data obtained from one agency are not always directly comparable with those of another. Because of this, job training and vocational education planners and occupational counselors have been faced with the problem of how to use the information from these classification systems effectively. To respond to accountability requirements, administrative requests and routine planning functions, these individuals must collect, analyze and utilize data from a variety of sources. Many have recognized the problem and agreed that a method should be developed to cross-reference the data.

The VPO is intended to assist those persons who have a need to compare and use information obtained under various classification systems. It links the Department of Education vocational program categories in the new Classification of Instructional Programs (CIP) to the occupations in the Dictionary of Occupational Titles, the Standard Occupational Classification, the 1980 Census Occupational Classification and to the Occupational Employment Statistics survey and industry-occupation employment matrix codes. These systems have been designed with numerical codes that facilitate manual and machine manipulation of the data for purposes of aggregation and analysis.

Perhaps the occupational coding system most frequently referred to is in the Dictionary of Occupational Titles (DOT), developed and maintained by the U.S. Department of Labor.[1] Two other significant coding systems have been developed in recent years: the Occupational Employment Statistics Program coding system (see page 59) and the Standard Occupational Classification system.[2] Another frequently used occupational coding system is the occupational classification system of the Bureau of the Census. This system is described in the 1980 Census of

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[1] U.S. Department of Labor, Employment and Training Administration, Dictionary of Occupational Titles, Fourth Edition (Washington: U.S. Government Printing Office, 1977).

[2] U.S. Department of Commerce, Office of Federal Statistical Policy and Standards, Standard Occupational Classification Manual (Washington: U.S. Government Printing Office, 1980).

Population Classified Index of Industries and Occupations[3] and the 1980 Census of Population Alphabetical Index of Industries and Occupations.[4]

This edition of the VPO reflects the changes in educational taxonomies that have occurred in recent years. It incorporates the vocational program categories contained in the Classification of Instructional Programs[5] and updates the relationships between vocational education and occupational classification systems.

The CIP replaces the U.S. Office of Education (USOE) classification system contained in the Standard Terminology for Curriculum and Instruction in Local and State S[illegible]tems,[6] often referred to as Handbook VI. It also replaces A Taxono[illegible] of Instructional Programs in Higher Education, used in the Higher Education General Information Survey (HEGIS).[7]

The new system contains instructional programs that have evolved or gained new significance in recent years. It provides descriptors for all programs and does away with any overlap in the HEGIS and Handbook VI systems. It is expected that this new classification will provide a standard for collecting, reporting, analyzing, interpreting and disseminating data about instructional programs.

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[3] U.S. Department of Commerce, Bureau of the Census, 1980 Census of Population Classified Index of Industries and Occupations (Washington: U.S. Government Printing Office, 1980).

[4] U.S. Department of Commerce, Bureau of the Census, 1980 Census of Population Alphabetical Index of Industries and Occupations, Second Edition (Washington: U.S. Government Printing Office, 1981).

[5] Gerald S. Malitz, U.S. Department of Education, National Center for Education Statistics, A Classification of Instructional Programs (Washington: U.S. Government Printing Office, 1981).

[6] John F. Putnam and Dale W. Chismore, U.S. Department of Health, Education and Welfare, National Center for Education Statistics, Standard Terminology for Curriculum and Instruction in Local and State School Systems, State Educational Records for Reports Series, Handbook VI, OE 23052 (Washington: U.S. Government Printing Office, 1970).

[7] Robert A. Huff and Marjorie O. Chandler, U.S. Department of Health, Education and Welfare, National Center for Education Statistics, A Taxonomy of Instructional Programs in Higher Education (Washington: U.S. Government Printing Office, 1970).

The first attempt to establish a relationship between vocational education programs and occupations in the U.S. economy was Vocational Education and Occupations (VEO).[8] In 1969, working cooperatively with the U.S. Department of Labor, the U.S. Office of Education published the VEO. It linked the vocational education programs in Handbook VI with occupations in the Third Edition of the DOT.

A second major step in cross-coding came from the Occupational Employment Statistics (OES) program of the Bureau of Labor Statistics (BLS). The OES program grew out of an effort to develop improved methods for projecting employment requirements by occupation in response to the 1962 recommendations of the President's Committee to Appraise Employment and Unemployment Statistics (the Gordon Committee). An early product of this effort was Tomorrow's Manpower Needs, a study published in 1969.[9] This four-volume report presented guidelines and methods for developing State and local area data on occupational employment and future employment needs, using the industry-occupation matrix techique (see page 63 for a discussion of the matrix).

The development of the matrix system and projections began with data from the decennial Census of Population. To enhance the usefulness of the resulting data to education program planners, BLS issued Supplement 3 to Tomorrow's Manpower Needs in 1973. Titled Matching Occupational Classifications to Vocational Education Program Codes, Supplement 3 linked the Census occupations, the Dictionary of Occupational Titles and the USOE vocational education program categories. After the introduction of 1970 Census data in the matrix, BLS revised Supplement 3, to relate vocational education program codes to the 1970 Census occupation categories.[10]

While Census data have been a valuable source of occupational information, the information lacks sufficient industry and occupational detail for use in the matrix and quickly becomes outdated. To meet the need for better employment data by occupation and industry, BLS initiated the Occupational Employment Statistics (OES) survey in 1970.

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[8] U.S. Department of Health, Education and Welfare, Office of Education; U.S. Department of Labor, Manpower Administration, Vocational Education and Occupations (Washington: U.S. Government Printing Office, 1969).

[9] U.S. Department of Labor, Bureau of Labor Statistics, Tomorrow's Manpower Needs, BLS Bulletin 1606, 4 vols. (Washington: U.S. Government Printing Office, 1969.)

[10] U.S. Department of Labor, Bureau of Labor Statistics, Tomorrow's Manpower Needs, Supplement 3 (revised), Matching Occupational Classifications to Vocational Education Program Codes. (Washington: The Bureau, 1975).

The OES survey provides current data on employment by occupation within specific industries through mail surveys to employers in the non-farm wage and salary sectors of the economy. These data have been integrated into the industry-occupation matrix system and are used to prepare occupational projections at the national level and by most of the States in preparing State and sub-State area projections. BLS also has issued cross-code tapes relating OES survey occupational categories to other occupational classification systems (see page 16). In 1979, NOICC adopted the OES program as the "standard principal source of current and projected occupational employment data at the local, state and national level."[11]

In addition to Federal cross-coding efforts, several States began to develop cross-codes in the 1970s, stimulated by increasing emphasis on the use of data on employment demand and occupational supply in planning vocational education and training programs. For example, California, Missouri and Oklahoma developed education and training information systems that include some type of cross-coding structure.

Since these early efforts, a number of significant developments have heightened the need for a single, standard cross-referencing source. First, the DOT underwent a major revision and a fourth edition was published in 1977. Secondly, legislation was passed that required the use of supply/demand information. Specifically, both the Education Amendments of 1976 (P.L. 94-482) and the Comprehensive Employment and Training Amendments of 1978 (P.L. 95-524) required planning that gives attention to labor market conditions.

The legislation mandated the establishment of the National Occupational Information Coordinating Committee (NOICC) and the State Occupational Information Coordinating Committees (SOICCs). NOICC was charged with the following responsibilities:

1. To improve coordination and communication between administrators and planners of vocational education and occupational training programs, research personnel and employment security agency administrators at Federal, State and local levels;[12]

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[11] Federal Register, National Occupational Information Coordinating Committee: Occupational Information; Fiscal Year 1980 Policies and Grants, Part V, Vol. 44, No. 240 (Washington: U.S. Government Printing Office, December 12, 1979).

[12] U.S. Congress, Education Amendments of 1976, P.L. 94-482, 94th Congress, Section 161 (4)(b) (Washington: U.S. Government Printing Office, 1976), p. 2198.

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2. To develop and implement an Occupational Information System that includes data on occupational demand and supply based on uniform definitions, standard estimating procedures and standardized occupational classifications;[13]

3. To provide technical and fiscal assistance to State Occupational Information Coordinating Committees;[13] and

4. To give special attention to the problems of unemployed youth by encouraging the dissemination and use of career information in a variety of settings serving young people and by increasing communication among employers, applicants and education/training services.[14]

The 1976 Education Amendments mandated the establishment of (1) the Vocational Education Data System (VEDS), to be operated by the National Center for Education Statistics, and (2) the Occupational Information System (OIS), to be developed and implemented by NOICC. Between the two systems, data would be provided on those factors which affect the implementation, modification and/or termination of vocational education and employment and training programs and services.

The VEDS is responsible for collecting comprehensive data on the performance factors of vocational education programs and services conducted by State and local educational entities. It is an internal information system, i.e., VEDS is to provide data on what is occurring only within the public vocational education system.

The OIS is designed to provide information on the supply of and demand for workers in occupations, the characteristics of occupations, sources of training and related topics. It is based upon standard definitions and existing data sources.

Congress stipulated that these two systems were to be compatible, i.e., data extracted from one system should be comparable to data from the other. The purpose of this requirement was to make possible the coordinated planning, accounting and evaluation activities described in this introduction and in Title I, Vocational Education Sections 104 through 112 of P.L. 94-482. Examples of this are found in Section 104, which stipulates that priority is to be given to those State vocational education funding applications that are designed to meet new and emerging employment and training needs. Section 107 indicates that the State

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[13] Ibid.

[14] U.S. Congress, Comprehensive Employment and Training Act Amendments of 1978, P.L. 95-524, 95th Congress, Section 315(a) (Washington: U.S. Government Printing Office, 1978), pp. 1972-1973.

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Five-Year Plan will assess the current and future needs for job skills within the State through consideration of the most recent information about present and projected program enrollments.[15] There are numerous other references in the law that require the matching of data from the two systems.

Congress required that these two systems involve other existing data sources pertinent to occupational information. Also, the Congress envisioned the need to improve demand data by developing uniform definitions and a Standard Occupational Classification (SOC). The necessity of incorporating the SOC is delineated on pages 40 through 42 of the House Report on the Vocational Education and National Institute of Education Amendments of 1976 (H.R. 94-1085).

This report expresses a concern for establishing linkages between program administrators in vocational education and those in employment and training, as both have a need for current occupational supply and demand data. The report states, "If education and training are ever to be related to current and prospective occupational needs, a single occupational coordinating system is of paramount importance . . ."[16]

Shortly after the legislation passed, the Standard Occupational Classification was introduced, and a 1977 SOC Manual was published. In 1979, the first OES survey-based matrix was developed, based on the surveys conducted in 1974, 1975 and 1976. Use of the survey-based matrix in the 1979 OES State and Area Projections program greatly increased the amount of demand data available by State and sub-State areas. The availability of these comprehensive demand data and publication of the Fourth Edition of the DOT helped establish a better linkage between demand data and the supply data reported under the education taxonomy. They also necessitated an updating and revision of Vocational Education and Occupations. In response to the need for a current and comprehensive cross-code, NOICC issued the Interim Edition of Vocational Preparation and Occupations (VPO).

When the SOC was revised in 1980, NOICC prepared a new edition of the VPO to incorporate the updated SOC and revisions in other classification systems. The 1980 VPO also included modifications suggested by users of the Interim Edition.

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[15] U.S. Congress, Education Amendments of 1976, P.L. 94-482, 94th Congress (Washington: U.S. Government Printing Office, 1976), pp. 2172-2187.

[16] U.S. Congress, House Report, The Vocational Education and National Institute of Education Amendments of 1976, H.R. 94-1085 (Washington: U.S. Government Printing Office, 1976), p. 41.

Since the development of the 1980 VPO, the Handbook VI and HEGIS systems have been replaced by the new Classification of Instructional Programs. The Census occupational classification also was converted in 1980 to a SOC-based system. To reflect the new taxonomies and to update the relationship between vocational education and occupational coding systems, this Third Edition of the VPO has been prepared.

The new VPO represents another stage in the complex process of relating information collected through the various coding and classification systems. When used in conjunction with the other sources of information, it should provide a valuable tool for administrators, planners, counselors and others involved in providing quality vocational education and training.

METHODOLOGY

The crosswalks in this edition of the VPO were developed through a two-stage process. First, DOT codes were assigned to the vocational program categories in the Classification of Instructional Programs. Second, information from several other sources was merged with the DOT-CIP information to produce a crosswalk computer tape containing all the codes from each of the occupational classification systems.

The DOT-CIP assignments were made at a workshop in April 1981. Prior to the workshop, a preliminary list of DOT-CIP assignments had been prepared by the Ventura project staff, with the assistance of State and local vocational education staffs in California. At the workshop, the preliminary list was reviewed by a team for each program area, e.g., Agriculture, Health, to verify or modify the assignments. Each review team consisted of the program specialist from the U.S. Department of Education, the program vice-president from the American Vocational Association and other program organization representatives or State vocational education staff, representatives from the U.S. Department of Labor, the State Employment Security agencies, and the NOICC and Ventura staffs. A list of workshop participants is provided in the Acknowledgements (see page ii).

The vocational education representatives had primary responsibility for making the DOT assignments, while other participants provided technical information and assistance. To insure consistency in the assignment of occupations to vocational education programs, the reviewers were provided with a step-by-step procedure and a set of criteria for selecting or evaluating occupational assignments.

Following the workshop, the reviewers' changes to the preliminary list were entered on a computer tape, and a new list was produced for each program area. These new lists were provided to the program specialists at the U.S. Department of Education for final review and approval. As at the workshop, the vocational education representatives had final responsibility for the assignments, while the NOICC and Ventura staffs provided technical assistance.

Once the final DOT-CIP assignments were made, a computer tape was created, displaying the vocational education program code, title and descriptor from the CIP and the related DOT codes for each program. This tape and several additional tapes displaying relationships of other classification systems to the DOT were merged to produce the final crosswalk tape from which the tables in the VPO were generated. The crosswalk tape and the tables are described in the section on format. The various tapes, in addition to the DOT-CIP tape, were:

1. BLS: Cross-Code Tape and Other Information

   The Occupational Employment Statistics unit of the Bureau of Labor Statistics provided a cross-code tape displaying the codes and titles for occupations used in the 1979, 1980 and 1981 OES surveys, along with their related codes from the Fourth Edition of the *Dictionary of Occupational Titles*. The Division of Occupational Outlook of the Bureau provided information relating the OES survey occupations to the occupation codes and titles used in the industry-occupation matrix.

2. Dictionary of Occupational Titles Master Data Tape

   The Employment and Training Administration provided the master data tape for the Fourth Edition of the *Dictionary of Occupational Titles*. This tape shows, for each nine-digit DOT code, the related 1970 Census occupational code and information on General Education Development (GED), Specific Vocational Preparation (SVP), physical demands, working conditions and other items.

3. 1980 Standard Occupational Classification Tape

   The Office of Federal Statistical Policy and Standards, U.S. Department of Commerce, provided a tape displaying the 1980 SOC codes and titles and their related Fourth Edition DOT codes. This information is identical to that published in the *1980 Standard Occupational Classification Manual* and replaces information on the 1977 SOC used in the Interim Edition of the VPO.

4. 1980 Census Occupation Codes

   The Bureau of the Census provided a list of 1980 Census occupational codes and titles and their related 1980 SOC codes. The DOT is related to the 1980 Census by using the DOT codes for the SOC category related to each Census code. Cases in which a SOC category is split among two or more Census codes were analyzed to determine the DOTs related to each Census category. Results of this analysis were reviewed and approved by Census Bureau staff.

All of the tapes listed above have one common element--the codes from the Fourth Edition of the Dictionary of Occupational Titles. The tapes, therefore, were merged according to their relationship to the DOT. The result is one tape showing, for each DOT code, the related codes from the other classification systems and the information items from the DOT master data tape (GED, SVP, etc.). For those few cases in which one of the classification systems contained occupational categories for which no relationship to the DOT exists, a record was created on the tape with the DOT field left blank.

The final tape from this merger process therefore contains all the occupation and vocational program codes found on the original input tapes. In addition, the final tape includes the codes from the U.S. Office of Education (USOE) vocational education program taxonomy and the Census-based industry-occupation matrix; these systems are described in the 1980 Edition of the VPO. The final tape constitutes the "full crosswalk tape" described in the section on format. It was used to prepare the crosswalk tables in Volume 1 and the crossference tables in Volume 2 of the VPO.

CONSIDERATIONS FOR VPO USERS

Users of the crosswalk between vocational education programs and occupational categories should be aware of a number of considerations that have resulted from the development process. As described in the section on methodology, the assignment of occupations to a vocational program was accomplished by a team that included both occupational classification specialists and vocational education program specialists. In assigning occupations to programs, the role of the occupational classification specialist was to provide technical support. The vocational education program specialist had final responsibility for the inclusion or exclusion of a specific occupation.

Because the VPO is designed as a comprehensive guide for use nation wide, broad criteria were used to determine the relationships between programs and occupations. Therefore, individual users should review assignments carefully to make sure they are appropriate to their specific situation.

When assigning occupations to vocational programs, the general approach was to include the specific occupations for which the program was designed to train as well as some less directly related to the program. In some cases, occupations requiring different levels of skills are listed under one CIP category. This is because vocational programs can, and often do, vary according to the level of the institution, the facilities and equipment available and the capabilities of the student population. For example, a secondary school and a postsecondary institution may both offer a program in the same CIP category, but they may prepare students with entry level skills for different jobs in that category.

For some programs, occupational assignments will apply in some, but not all, States or localities. Area accreditation for programs and licensing requirements for occupations vary from State to State. In some cases, a bachelor's degree is required, while in others an associate degree is sufficient for practice in certain occupations.

Many vocational programs impart a wide range of skills and often overlap in the provision of these skills, especially within a major program area. Thus, many occupations have been assigned to two or more programs. These multiple assignments should be reviewed carefully, particularly in preparing data on employment demand and the supply of trained labor. They may greatly increase the complexity of developing reliable supply/demand information.

Relationship Between VPO and CIP

The initial plan was for the VPO to include vocational education programs identified in Appendix D of the CIP. However, during the development of the VPO, the program specialists recommended a number of changes to Appendix D. Their recommendations were given to the National Center for Education Statistics and the Office of Vocational and Adult Education for their review and adoption. These agencies accepted a number of the recommended revisions to Appendix D for inclusion in the next edition of the CIP and this edition of the VPO. These changes are:

A. Deletions from Appendix D

03.0406	Pulp and Paper Production
49.0103	Aviation Computer Technology

B. Additions to Appendix D

Under Agriculture/Agribusiness Education

02.0201	Animal Sciences, General
02.0202	Animal Breeding and Genetics
02.0203	Animal Health
02.0204	Animal Nutrition
02.0205	Animal Physiology
02.0206	Dairy
02.0207	Fisheries Science
02.0208	Livestock
02.0209	Poultry
02.0299	Animal Sciences, Other
02.0302	Dairy Processing
02.0399	Food Sciences, Other
02.0401	Plant Sciences, General
02.0402	Agronomy
02.0403	Horticulture Science
02.0404	Ornamental Horticulture

02.0408	Plant Protection (Pest Management)
02.0409	Range Management
02.0410	Turf Management Science
02.0499	Plant Sciences, Other
02.0503	Soil Conservation
02.0504	Soil Management and Fertility

Under Trade and Industrial Education

06.20	Trade and Industrial Supervision and Management
06.2001	Trade and Industrial Supervision and Management

C. Duplicate Programs

In instances where vocational education reviewers concluded that duplicate programs existed, both programs are shown in the VPO and are cross-referenced. As a rule, occupations are listed only with the program to which the reader is referred, i.e., those in the right hand column below:

02.0306	Food Technology	See 15.0602	Food Processing Technology
04.0501	Interior Design	See 20.0505	Home Decorating
11.03	Data Processing	See 11.02	Computer Programming
11.0301	Data Processing	See 11.0201	Computer Programming
15.0601	Chemical Manufacturing Technology	See 41.0301	Chemical Technology
15.0604	Manufacturing Technology	See 15.0603	Industrial Technology
15.0608	Safety Technology	See 15.0701	Occupational Safety & Health Technology
17.0501	Animal Technology	See 17.0303	Clinical Animal Technology
17.0702	Ophthalmic Laboratory Technology	See 15.0606	Optical Technology
17.0704	Optometric Assisting	See 17.0705	Optometric Technology
17.0818	Respiratory Therapy	See 17.0210	Respiratory Therapy Technology

FIGURE 1

VOLUME 1 THIRD EDITION OF VOCATIONAL PREPARATION AND OCCUPATIONS PAGE 326

①

PROGRAM: 47.0302 HEAVY EQUIPMENT MAINTENANCE AND REPAIR.

② AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS IN THE FIELD MAINTENANCE OF HEAVY EQUIPMENT, AND IN GENERAL MAINTENANCE AND OVERHAUL OF SUCH EQUIPMENT. INCLUDES INSTRUCTION IN INSPECTION, MAINTENANCE, AND REPAIR OF TRACKS, WHEELS, BRAKES, OPERATING CONTROLS, PNEUMATIC AND HYDRAULIC SYSTEMS, ELECTRICAL CIRCUITRY, ENGINES, AND IN TECHNIQUES OF WELDING AND BRAZING.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	M	L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
184.167-170	SUPERINTENDENT, MAINTENANCE	4	4	3	7	S56	I		1342	19000	20061699	019
221.367-030	LOCOMOTIVE LUBRICATING-SYSTEMS CLERK	3	2	3	5	S45	I		4752	62003	40062400	363
620.261-022	CONSTRUCTION-EQUIPMENT MECHANIC	3	3	3	7	M346	B57		6117	51034	50081803	516
620.281-042	LOGGING-EQUIPMENT MECHANIC	4	3	3	7	V23456	B56		6117	51034	50081803	516
620.281-046	MAINTENANCE MECHANIC	4	3	3	7	M34	I56	47.0604	6111	51008	50081001	505
620.281-050	MECHANIC, INDUSTRIAL TRUCK	4	3	3	7	M345	I	47.0605	6112	51034	50081803	507
620.281-058	TRACTOR MECHANIC	4	3	3	7	M346	I4	01.0204 47.0605	6112	51034	50081803	507
620.381-018	MECHANICAL-UNIT REPAIRER	4	3	3	7	M456	B		6117	51008	50081001	516
620.381-022	REPAIRER, HEAVY	3	2	3	6	H46	I5		6111	51008	50081001	505
620.664-010	CONSTRUCTION-EQUIPMENT-MECHANIC HELPER	2	1	2	3	M346	B56		8632	56900	80002823	864
622.381-014	CAR REPAIRER	4	3	3	7	H23456	B56		6117	51066	50082803	516
622.381-018	CAR REPAIRER, PULLMAN	4	3	3	7	M2346	B		6117	51066	50082803	516
622.381-022	CAR-REPAIRER APPRENTICE	4	3	3	7	H23456	B56		6117	51066	50082803	516
622.684-010	AIR-COMPRESSOR MECHANIC	3	3	3	6	L46	I	47.0401	6117	51066	50082803	516
910.367-010	BRAKE COUPLER, ROAD FREIGHT	3	2	3	4	M2346	B6		8233	55A29	62001600	825
910.384-010	TANK-CAR INSPECTOR	3	2	3	4	M2346	O6		8280	51066	50082803	689
910.387-014	RAILROAD-CAR INSPECTOR	3	2	3	5	L346	O		8280	55858	50142202	689
915.687-018	LUBRICATION SERVICER	2	1	1	4	M34	I		8730	55D67	61082605	825
③		④			⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑫

Volume 2

Volume 2, entitled Cross-Reference Tables, enables the user to identify CIP vocational programs related to specific occupations from several classification systems. It contains five special tables generated from the crosswalk computer tape. The first four organize information according to the following code systems: (1) OES survey, (2) OES survey-based matrix, (3) Census, and (4) SOC. Each displays the relationship of the primary code (or code by which it is sorted) to the codes from the other three classification systems and the CIP. For example, Table 4 (sorted by SOC) lists each SOC occupation with its related CIP, Census, OES matrix and survey codes.

Tables 1 through 4 display all occupations from the four coding systems, whether the occupation is related to a CIP vocational program or not. Thus, the tables can be used to identify occupations for which vocational programs do not presently exist. Such occupations can be analyzed to determine whether vocational training is appropriate.

Table 5 lists all of the DOT occupations assigned to CIP vocational education programs. Each DOT code is shown with the code(s) of the CIP program(s) to which it has been assigned. Table 5 also displays the page number of the crosswalk table in Volume 1 on which the DOT code may be found.

The first four tables in Volume 2 do not include any DOT codes. Users who need the crosswalk displayed by OES, SOC or Census codes with their related DOT codes may generate such displays from the crosswalk computer tape. NOICC also has developed some special displays for use in supply/demand analysis and other applications.

Crosswalk Computer Tape

The full crosswalk computer tape contains each DOT code, related occupational codes and titles from the OES, Census, SOC and related CIP vocational program codes and titles. In addition, occupational codes and titles from the categories in the classification systems that do not have an assigned relationship to a specific nine-digit DOT code are contained on this tape so that all codes from all occupational classification systems are shown.

Volumes 1 and 2 of the VPO are available in printed copy. The tables in Volumes 1 and 2 also are available on a computer print tape. The full crosswalk is available on a data tape. For information on how to order any of these products, contact the appropriate State Occupational Information Coordinating Committee director (addresses on pages vii and viii) or the:

National Occupational Information Coordinating Committee
2100 M Street, N.W., Suite 156
Washington, D.C. 20037

FORMAT OF THE THIRD EDITION

This edition of Vocational Preparation and Occupations consists of two volumes and a full crosswalk tape. The following is a brief explanation of each of these.

Volume 1

Volume 1, Educational and Occupational Code Crosswalk, has three major sections. The first contains introductory materials dealing with the background of the VPO, methodology, format, potential uses and applications, the classification systems utilized in the crosswalk tables, and a bibliography.

The second section consists of References A through I. They include lists of codes, code relationships and selected code applications from the various classification systems, including the DOT, SOC, Census, OES, SIC and the CIP. Explanations of each of these have been included either in the introductory text to Volume 1 or as the first page of the reference.

The third section, arranged by major program area, contains the crosswalk tables of the CIP program codes, titles and descriptors displayed with the related codes and titles from the DOT, the OES survey, the OES survey-based matrix, the SOC and the 1980 Census system. The tables also include the General Education Development, Specific Vocational Preparation, physical demands and working conditions information derived from job analyses conducted in preparing the DOT.

The crosswalk tables are arranged in ascending CIP code order. A sample table, Figure 1, appears on page 12. The CIP program code and title appear in the first line ① . Each descriptor ② associated with a program code and title is shown directly below the code and title line. The CIP classifications are arranged in ascending code order within each major program area, e.g., Agriculture/Agribusiness, Business and Office, Health, etc.

The DOT codes within each CIP classification are arranged in ascending numerical order. The associated occupational title appears directly to the right of this nine-digit DOT code ③ .

The General Education Development (GED) ④ , Specific Vocational Preparation (SVP) ⑤ , physical demands ⑥ and working conditions ⑦ serve to further define the DOT codes and titles by providing more specific information about the nature and complexity of the occupation. The column headed, Other CIP Programs, ⑧ shows other CIP programs that provide training for the designated occupation, i.e., other CIP programs to which the DOT code also has been assigned. The codes listed under column headings SOC ⑨ , OES Survey ⑩ , Matrix ⑪ and Census ⑫ further link the DOT code and title to other classification systems currently in use for collecting, aggregating and analyzing occupational and employment data.

PRACTICAL APPLICATIONS

The primary purpose of the VPO is to make it possible to analyze the demand for workers in an occupation in relation to the supply of trained labor. By presenting the interrelationships among the major occupational classification systems and their relationships to the CIP, the VPO facilitates the use of data available from various sources to prepare information on the relationship between employment demand and labor supply in an occupation.

In addition, the VPO has many other applications. It can be used as a tool in curriculum development, program planning, counseling, placement, formation of advisory committees and reporting data. The following section briefly discusses the use of the VPO in these activities. It is meant to provide some general guidelines and examples of how the VPO can be used. To fully understand its applications, the reader must be thoroughly familiar with the classification systems presented in the VPO. They are explained on pages 29 through 70.

Occupational Supply/Demand Analysis

One of the major functions of the Occupational Information System, as discussed earlier, is to provide information on the relationship between employment demand and the supply of available workers in an occupation. When this information is interpreted and analyzed in light of earnings, entry requirements and other occupational characteristics, it can be very useful in planning vocational education and job training programs. It is also helpful to individuals making career decisions or seeking employment.

In response to the NOICC/SOICC mandates, most States are providing "supply/demand" information for program planners who wish to prepare individuals for occupations in which they may have a reasonable expectation of obtaining employment. The VPO facilitates the preparation of this information by identifying the relationships between the various codes used in collecting supply and demand data.

Occupational supply is defined as the portion of the labor force having an attachment to a particular occupation.[17] At a specific point in time, supply includes the number of persons employed in the occupation and the number unemployed and seeking work in the occupation. Supply changes over time as individuals enter or leave the labor force, migrate to other labor market areas or change occupations.

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[17] National Occupational Information Coordinating Committee, Occupational Information System Handbook, Volume 1, Occupational Information Development (Washington: The Committee, January 1981). This describes the concepts and sources of data for supply and demand information in detail.

Of particular relevance to developers and users of supply/demand data is the supply of persons who enter the labor force from occupation-related training offered by secondary or postsecondary schools and other job training sources. Currently, data on such training are collected through a number of efforts, generally using one of five coding schemes: the Classification of Instructional Programs, the Handbook VI vocational program categories, the Dictionary of Occupational Titles, the Standard Occupational Classification and the Higher Education General Information Survey program categories. Eventually data on all education programs are to be coded using the new CIP.

Occupational demand represents the need for workers in particular occupations. Occupational demand at a specific point in time includes current employment and the number of job vacancies for which employers are actively recruiting workers. Occupational demand changes over time as employment requirements of the economy grow or decline, and as employers seek to replace workers who die, leave the labor force, leave the labor market area or change occupations.

Data on current occupational employment are generally available by OES survey code and by the codes from the industry-occupation matrix system. Data on future employment requirements and the need to replace workers who die or retire are available by the matrix system codes.

Procedures for assembling supply/demand data and analyzing their relationships are detailed in Volume 2 of the Occupational Information System Handbook.[18] The users of the Handbook should note that for purposes of supply/demand analysis, the crosswalk computer tape is the appropriate source of information. NOICC also has prepared special materials for using the crosswalk in supply/demand analysis. They are available on request from NOICC.

The user should also be aware that the Bureau of Labor Statistics periodically issues a cross-code tape relating the OES survey occupations to the DOT and other classifications. A new tape is issued with each new survey year to incorporate any changes in survey codes. The tape issued in 1981 was used in preparing this edition of the VPO.

Users are referred to Volume 2 of the OIS Handbook, Chapter 4, for information on the use of the VPO and other cross-code references in conducting supply/demand activities.[18]

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[18] National Occupational Information Coordinating Committee, Occupational Information System Handbook, Volume 2, Occupational Information Analysis, Presentation and Delivery (Washington: The Committee, January 1981).

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Curriculum Development

The primary goal of vocational education is to prepare individuals for gainful employment. To attain this goal, it follows that each vocational instructional program must be defined in terms of its expected occupational outcomes. The VPO crosswalk tables in Volume 1 are organized accordingly; they display vocational program titles, codes and descriptors with their expected occupational outcomes, expressed in terms of the Dictionary of Occupational Titles (DOT) codes and titles. These occupational and educational code relationships make the VPO a valuable resource for validating the instructional content of existing programs or constructing curriculum for new ones.

Definitions in the DOT provide information for approximately 20,000 specific occupations. Each occupational definition is carefully constructed to contain precise statements of the tasks performed by the worker. It also identifies the tools, equipment, machinery, and materials used by the worker.

Curriculum specialists can identify appropriate occupations for a particular program from among those assigned to it in the VPO. They can then use the DOT definitions to identify the specific skills, experience and related knowledge needed for entry and retention in those occupations. A comparison of the tasks detailed in the DOT definitions with the program's curriculum can pinpoint areas of the curriculum that may need to be modified, expanded or eliminated. The DOT tasks also can provide a basis around which to organize and build curriculum for a new program. For example, the CIP program 47.0302, Heavy Equipment Maintenance and Repair, lists 620.261-022 Construction-Equipment Mechanic as one of the potential occupations for which the program trains. The DOT definition for Construction-Equipment Mechanic reads:

620.261-022 CONSTRUCTION-EQUIPMENT MECHANIC (const.)
heavy-equipment mechanic.

Analyzes malfunctions and repairs, rebuilds, and maintains construction equipment, such as cranes, power shovels, scrapers, paving machines, motor graders, trench-digging machines, conveyors, bulldozers, dredges, pumps, compressors and pneumatic tools: Operates and inspects machines or equipment to diagnose defects. Dismantles and reassembles equipment, using hoists and handtools. Examines parts for damage or excessive wear, using micrometers and gages. Replaces defective engines and subassemblies, such as transmissions. Tests overhauled equipment to insure operating efficiency. Welds broken parts and structural members. May direct workers engaged in cleaning parts and assisting with assembly and disassembly of equipment. May repair, adjust, and maintain mining machinery, such as stripping and loading shovels, drilling and cutting machines, and continuous mining machines and be designated MINE-MACHINERY MECHANIC (mining & quarrying).

An examination of this definition indicates that a worker in this occupation "analyzes malfunctions and repairs, rebuilds and maintains construction equipment such as cranes ..." It also indicates that the worker uses hoists, handtools, micrometers and gages. Therefore, to prepare students adequately for this occupation, the program curriculum should include instruction that will enable students to perform these particular tasks while using the listed equipment. It is important to analyze definitions for all occupations associated with the program. The analysis will provide information for a total program curriculum, which can then be organized into individual courses.

Using the General Education Development (GED) Ratings

The VPO crosswalk tables also contain General Education Development (GED) ratings for each DOT assigned to a CIP program. These can be helpful in selecting prerequisite or required academic courses for vocational programs, a process that has often been an arbitrary one. The VPO enables counselors and curriculum designers to utilize GED ratings in matching academic skill requirements to job requirements.

GED ratings for a given occupation indicate abilities the entering worker is expected to possess in three areas: Reasoning (R), Mathematics (M) and Language (L). Average worker competency levels for each area are ranked numerically, from a low of one to a high of six. In the sample crosswalk table on page 12 (Figure 1, Item 4), the occupation of Superintendent, Maintenance, has GED ratings of 4 4 3. They indicate a reasoning level of 4, a mathematics level of 4 and a language level of 3. This suggests that the average maintenance superintendent needs more sophisticated reasoning and computing skills than speaking or writing skills. Further explanation of the GED appears on pages 40 and 41.

In VPO Reference D there is a detailed definition of each of the six levels of the three GED components (R,M,L). Topical outlines for subjects in each level of the mathematics and language components, as well as sample competencies, also are included. This information can be compared with an institution's math and language course outlines to identify appropriate prerequisite, required or elective courses for a particular vocational program.

Because GED levels are cumulative, the comparison should include all those ratings up to and including the one specified. Reference D competency statements and outlines also should be useful in determining the appropriate math and language courses for a student's total vocational education plan.

Program Planning

In making decisions, vocational education and job training program planners must consider many factors that are beyond the scope of this discussion, such as policies of their State or funding district. However, the VPO does contain much useful information needed for other significant elements in the planning process. By organizing information from several sources and in different formats, it enables the planner to use labor market and educational information in conjunction with data on students to develop comprehensive and realistic program plans. Some uses of data in the planning process are discussed in the following pages.

Using the Specific Vocational Preparation (SVP) Ratings[19]

The amount of training time needed for a person to perform successfully in an occupation is a matter of some concern to those designing training programs. Realistically, it may not be possible to pinpoint the exact amount of training time required for an individual or group participating in a particular job-training program, but there are indicators contained within the VPO that can be used to estimate the amount of training time required for any occupation defined in the Dictionary of Occupational Titles. This estimate is based upon the Specific Vocational Preparation (SVP) scale, which is described on pages 42 to 45. SVP is defined as follows:

> The amount of time required to learn the techniques, acquire the information, and develop the facility needed for average performance in a specific job-worker situation. This training may be acquired in a school, work, military, institutional, or vocational environment. It does not include orientation training required of a fully qualified worker to become accustomed to the special conditions of any new job.[20]

In using this information a planner should keep in mind that the amount of time expressed by SVP ratings is not necessarily equal to the length of a formal training course or on-the-job training

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[19] State of California, Department of Human Resources Development, California Occupational Analysis Field Center, The Use of Job Analysis Training Time Estimates in Planning and Evaluating Manpower Programs (Los Angeles: 1971), pp. 28-30.

[20] U.S. Department of Labor, Manpower Administration, Handbook for Analyzing Jobs (Washington: U.S. Government Printing Office, 1972), p. 209.

program. This is because the goal of many training programs is to enable trainees to reach some minimal level of performance or to qualify as entry-level workers in an occupation. SVP ratings, on the other hand, indicate the estimated amount of time required to reach average performance as fully qualified workers on a job. For this reason, *SVP ratings should not be used as exact predictors of the length of a proposed training program*.

Estimating actual training time involves some simple mathematical calculations and some experience-based analytical judgment. To start, a planner considering a specific program should analyze each occupation assigned to that program (on the VPO crosswalk table) to see if it is appropriate to the needs of the offering institution, its students and the labor market area to be served. This discussion focuses on only one aspect of that analysis -- using the SVP in estimating training time.

An institution has only a certain amount of time available for training purposes. For example, all State departments of education have defined for secondary schools a time period, in terms of the minimum number of days that comprise a school year. The school year ranges from 170 days to 185 days. The secondary school day also varies in time, but usually begins at 8:15 a.m. and ends at 3:15 p.m. This school day is broken into "periods" or class hours.

To use the SVP scale for training time estimates, it is necessary to convert school time and SVP time into actual time so that proper comparisons can be made. Using the table on page 43, one can convert the days and months listed for SVP time to real time or clock hours. For the conversion, the factors of 8 hours and 20 days are used for working days and months, with the following results:

CONVERTING SVP LEVELS TO CLOCK HOURS

SVP Level	More Than	Up to & Including
1	0	Short demonstration
2	Short demonstration	240 hours
3	240 hours	480 "
4	480 "	960 "
5	960 "	1,920 "
6	1,920 "	3,840 "
7	3,840 "	7,680 "
8	7,680 "	19,200 "
9	19,200 "	19,200+ "

Similarly, it is necessary to convert school time into real time expressed in clock hours. To do so, multiply the number of days in the school year by the number of minutes in a class period and divide by 60 minutes. For example, assume the school year is 180 days and a class period is 55 minutes. One class period over the school year would be:

$$180 \times 55 = 9900 \div 60 = 165$$

Thus, an institution on that schedule has only 165 clock hours in one period for a school year.

To calculate total training time available in a typical three-year high school (grades 10-12), consider that a student only has one vocational class period per day for the 10th grade and two periods during the second and third year. This works out to a total of 825 clock hours.

A quick look at the SVP/clock hour chart might suggest that only occupations with an SVP level 4 and below should be included in high school vocational programs. However, the SVP scale includes both formal training and experience in the job environment. This makes it necessary to consider some means of separating the training time from on-the-job practice time. A rule-of-thumb estimate to use for preliminary analysis is a time equivalent of two-thirds of the high scale of SVP. The next section, "Using SVP-GED Relationships," also provides some perspective for validating this preliminary estimate.

The occupations related to a particular CIP program in the VPO crosswalk tables do not necessarily require equal amounts of preparation time. Based on training time estimates, planners may find that one or more of the occupations listed is not a viable training goal for the program they are developing. Certainly this is the case in planning programs with job placement as their purpose.

Using GED-SVP Relationships[21]

General Education Development (GED) and SVP are complementary concepts even though they have different types of rating scales. The GED scale is stated in terms of immediate performance capacity levels, and the SVP scale is stated in terms of time. It is by the combination of these two concepts that the total expression of training time requirements can be understood.

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[21] State of California, Department of Human Resources Development, California Occupational Analysis Field Center, The Use of Job Analysis Training Time Estimates in Planning and Evaluating Manpower Programs (Los Angeles, 1971), pp. 31-34.

The combining of the GED and SVP ratings suggests that the time rating (SVP) is somewhat dependent upon, and can be affected by, the General Education Development rating. For example, it is possible that a person with a GED level lower than that required for a particular occupation could adequately perform on the job but would require a longer training period than the SVP indicates.

Looking at both GED and SVP ratings also provides some indication of the complexity of occupations. From their DOT titles alone, one can assume that some of the following jobs in the automobile services industry are more complex than others. Each requires a different amount of skill, knowledge and hands-on experience for a worker to be proficient on the job. Materials, equipment and tools also will vary. But the names or even the DOT definitions provide only clues to probable differences in complexity.

Fourth Edition DOT Code	DOT Title	GED R	GED M	GED L	SVP
807.684-010	Automobile-Bumper Straightener	2	1	1	3
620.684-014	Automobile-Mechanic Helper	2	1	2	3
780.384-010	Automobile-Seat-Cover-and-Convertible Top Installer	3	3	3	6
620.684-018	Brake Adjuster	2	2	2	2
620.684-022	Clutch Rebuilder	3	2	3	4
825.684-010	Electrician Helper, Automotive	2	2	2	2
807.664-010	Muffler Installer	3	2	2	4
845.684-014	Paint Helper, Automotive	2	1	1	4
915.684-010	Tire Repairer	2	1	1	3

A comparison of GED and SVP ratings, however, shows that the GED levels for most of the jobs are within a narrow range, while their SVP ratings range from 2 to 6. Although their GED levels are comparable, some of these occupations require more training and practice time (as expressed in SVP ratings) and thus may be more complex in terms of job skills and functions.

GED and SVP information can be used in determining which occupations are feasible for a training program being planned. For example, the transportation industry may be rapidly expanding within a given geographical area. However, there may be time constraints imposed by the educational entity or the student's needs that would prohibit training for the more complex occupations within the industry. (See discussion under SVP, page 19.) An alternative to accommodate the time limitations would be to develop training programs for the less complex occupations within the transportation industry, provided there is sufficient demand for such workers.

The GED/SVP relationships also have potential applicability as an aid in designing programs for educationally handicapped or learning-disabled populations. As previously indicated, GED ratings define the level of skill in reasoning, mathematics, and language typically required for an occupation. SVP ratings indicate the amount of time that an average worker whose competencies meet the specified GED levels will require to reach average performance on the job.

If educationally handicapped or learning-disabled students do not currently meet the specified GED levels, it may be possible to include remedial education in the curriculum to bring the students' GED levels up to those required for the occupation. Another possibility is to extend the vocational training and practice time beyond that normally provided. Such an extension might enable the students to reach average performance for the specified occupation(s). A third alternative is to select occupations that are compatible with the students' educational development and focus the program on those occupations.

Training Facilities Design

Since a worker's successful performance or satisfaction in a job is often related to his/her ability to work under certain conditions, it is sometimes necessary to create a learning environment that reflects the physical demands and working conditions found on the job. Doing so can reduce the possibility of students completing whole training programs only to find out that environmental conditions on the job do not suit their physical capacities or temperament. For example, the occupation of Construction-Equipment Mechanic may seem appropriate for students who enjoy working with their hands on engines and other parts of heavy equipment. However, if those students are adverse to crawling and stooping, or to working outside or around fumes, noise and vibration, this occupation could prove an unsatisfactory choice.

Using Physical Demands and Working Conditions Codes

Using the VPO, program designers can examine the physical demands and working conditions codes for the occupations related to a training program and subsequently use this information in planning the environmental conditions in the training facility. Both sets of codes are displayed in the crosswalk tables (see Figure 1, page 12). Their meanings are explained on pages 45 through 51 of this publication.

In the occupation of Construction-Equipment Mechanic, for example, the physical demands codes are "M,3,4,6." The explanation of "M" indicates that the occupation requires the strength to do "medium work," such as lifting a maximum of 50 pounds and frequently lifting and carrying objects of up to 25 pounds. The numerical codes suggest that normally the worker is required to: stoop, kneel, crouch and/or crawl (3); reach, handle, finger and/or feel (4); and see (6).

If a program is to accommodate handicapped students who do not have the specified physical capabilities, it may be necessary to provide special services, tools or equipment that will enable them to perform the required tasks. Depending on the nature of the handicap and the flexibility of the educational entity, it may be more feasible to develop alternative programs that train for occupations that have similar characteristics but not the same physical demands.

The working conditions code can be used and interpreted in the same manner as the physical demands code. For example, the working conditions codes for Construction-Equipment Mechanic are "B,5,7." They are interpreted to mean that the Construction-Equipment Mechanic works both inside and outside (B); noise or vibrations are present in sufficient amount to cause bodily harm if endured day after day (5); and the atmospheric conditions may include fumes, odors, dusts, mists, gases and poor ventilation (7). This occupation could be particularly harmful for students with respiratory problems or those who do not wish to be exposed to such conditions.

Counseling

The counseling of students is widely recognized as a valuable and vital component of the vocational education process. When it is realistic and accurate, career guidance can help ensure a student's future success and satisfaction in his/her occupation. To advise students effectively about training options and to analyze their interests in relation to actual training activities, counselors must be aware of the spectrum of occupations related to a training program. In addition, they must possess detailed information about each occupation. Since there are thousands of different occupations in the economy, with a large number attainable through vocational training, the amount of information required for effective counseling becomes staggering. The VPO, by organizing and presenting detailed occupational information, can expedite and enhance the counseling process.

The VPO identifies the spectrum of occupations related to a training program. It also gives comprehensive and reliable information on General Education Development; Specific Vocational Preparation time; relationships to data, people, things; physical demands, and environmental conditions for each occupation. All of these factors, along with information about job outlook, specific training requirements and other items, can be compared to the needs, interests and abilities of the student. This can be very helpful in counseling students who are selecting a training program or making career decisions.

For example, a student may be interested in the field of health but may not have a specific occupational goal in mind. By examining the Health Occupations crosswalk tables, the counselor and student can determine the range of occupations that are potential outcomes of vocational education programs in the health area. By reading the various program descriptors and reviewing the lists of related occupations, students may be able to identify the fields of study that seriously interest them. A comparison of the detailed occupational information relevant to those fields with the student's interests and abilities may indicate which area of study would be most appropriate.

The same type of analysis can be used in assisting special target groups or handicapped populations. For example, when an occupation has been selected, information on physical demands and working conditions can be examined to identify aspects of the job that may need to be modified or taken into consideration in training or placement.

Placement

Ideally, one result of the vocational education and counseling process should be the placement of program completers and leavers in jobs related to their training. Many job training and education agencies offer placement services to help their clients find employment. Placement services also are provided through the local offices of the State Employment Security agency. Because of the information it contains, the VPO can be used as a tool in the placement process.

The first step in placing program participants is to identify the occupations for which they have been trained and the industries in which those occupations are found. The VPO crosswalk tables provide a comprehensive list of potential occupations for each of the vocational programs defined in A Classification of Instructional Programs. As explained earlier, these lists should be reviewed to identify occupations that are appropriate placement targets for the program as offered in a particular setting (see page 9).

Once specific occupations have been selected, their OES matrix codes can be used to identify industries that employ significant numbers of workers in those occupations. Matrix codes for the applicable DOT codes and titles are listed in the crosswalk tables (see Figure 1, Item 11, on page 12). Depending upon State confidentiality laws, the the research and analysis division of the State Employment Security agency may be able to review the matrix codes and compile a list of local industries that employ workers in the occupation.

The next step in targeting placement efforts is to obtain a list of major employers in those industries. Again, the State Employment Security agency may be able to provide the information. Another alternative is to obtain names and addresses of potential employers from business directories prepared by private firms or Chambers of Commerce.

The Yellow Pages of the telephone book is another source. It is organized according to the product or services sold, a principle similar to that used in the Standard Industrial Classification (see Reference I).

Forming Advisory Committees

The VPO can be used in locating sources of members to serve on subject matter advisory committees for specific vocational programs. The process described in the preceding section on placement produces a list of potential employers for program participants. The same list can be used to find candidates for advisory committee membership. In addition, the industry designation may be helpful in identifying labor union representatives, since unions may be organized around particular industries as well as around specific crafts or trades.

Reporting

In the past, data on vocational education programs have been collected under a variety of coding systems. The primary classification systems for reporting data on programs in secondary and postsecondary institutions, respectively, have been the USOE or Handbook VI and HEGIS taxonomies. The use of two separate systems, however, caused some confusion in reporting and analysis of the data because some programs were covered by both systems. As a result, a postsecondary school could be required to report information on the same program twice, using two different codes and titles. Implementation of the Vocational Education Data System accentuated the need for a common coding system, since VEDS was to collect data on both secondary and postsecondary vocational education programs.

In 1981, a single coding structure for all educational programs was introduced. The Classification of Instructional Programs (CIP)[22] will replace both USOE and HEGIS taxonomies. It should alleviate problems that occurred in coding programs under the former systems and improve the accuracy and reliability of vocational education data. Without reliable data, it is difficult to make sound decisions about program offerings and the allocation of funds.

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[22] Gerald S. Malitz, U.S. Department of Education, National Center for Education Statistics, A Classification of Instructional Programs (Washington: U.S. Government Printing Office, 1981).

Vocational educators will find the VPO extremely helpful in understanding and using the new taxonomy, particularly in coding and reporting data. Whereas the CIP integrates vocational education programs to show relationships within the world of education, the VPO focuses on vocational education and its relationships to the world of work. It brings together all of the vocational program codes and titles in the CIP and groups them under the seven major vocational-technical program areas. They are listed this way in Reference A, as well as in the crosswalk tables.

In addition to CIP program definitions, the crosswalk tables list related occupations and supplementary information that clarify the content of each program. This information makes it easier to assign program codes more accurately at the State and local levels. For example, a school may have a program that offers instruction in automobile repair skills. The problem is to assign it an appropriate CIP code for use in reporting student data. Because the most specific level of detail is required for accuracy, a six-digit, or single program, code must be selected.

Reference A provides a ready aid for locating the broad CIP categories under which specific program codes and titles are grouped. For example, automobile repair programs are found in the Trade and Industrial Education area, under Mechanics and Repairers (47). Within this very general (two-digit) CIP category is a four-digit group of instructional programs, 47.06 Vehicle and Mobile Equipment Mechanics and Repairers. Among the specific programs in this group are:

47.0603	Automotive Body Repair
47.0604	Automotive Mechanics
47.0605	Diesel Engine Mechanics
47.0699	Vehicle and Mobile Equipment Mechanics & Repairers, Other

The crosswalk tables for these six-digit CIP programs will provide information to use in determining which of these is the right code to assign the school's program. For example, if the program focuses on repairing damaged auto bodies and fenders and the students are to be placed in occupations listed under the Automotive Body Repair program, then 47.0603 would be the code used in reporting program data.

To aid in locating specific CIP programs quickly, the crosswalk tables begin with a table of contents. Programs are listed alphabetically by title (pages T/iii through T/xii) and numerically by code (T/xiii through T/xxii).

40

EXPLANATION OF
THE CLASSIFICATION SYSTEMS

CLASSIFICATION OF INSTRUCTIONAL PROGRAMS (CIP)

The CIP addresses the problems that were found in collecting, reporting and analyzing information about instructional programs. These problems were due mostly to the lack of a complete and up-to-date classification structure, terminology, coding system and definitions for describing instructional programs. They are all items which are corrected with the publication of the CIP.

By providing a common language for all of education, the classification system can better serve a wide range of people in the education community from those involved in elementary programs to those involved in post-doctoral studies, including persons in the various forms of adult/continuing education. Before the CIP was developed, two NCES publications were used to classify instructional programs, the Standard Terminology for Curriculum and Instruction in Local and State School Systems, commonly referred to as Handbook VI and A Taxonomy of Instructional Programs in Higher Education, commonly known as the HEGIS Taxonomy. NCES' A Classification of Instructional Programs is intended to replace the HEGIS Taxonomy and the instructional program listing in Handbook VI.

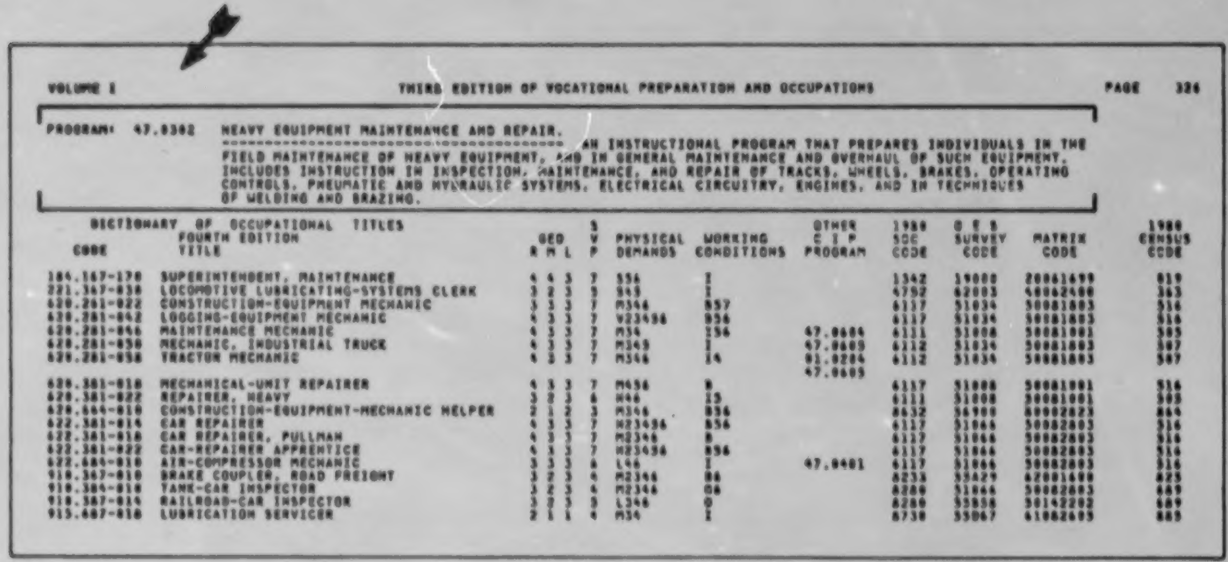
Fifty broad program areas are identified in this new classification. Seventeen of these areas contain almost all of the vocational programs that prepare individuals for occupations. These 17 areas are identified and coded as follows:

01. Agribusiness and Agricultural Production
02. Agricultural Services
03. Renewable Natural Resources
06. Business and Management
07. Business and Office
08. Marketing and Distribution
10. Communication Technologies
12. Consumer, Personal, and Miscellaneous Services
15. Engineering and Engineering-Related Technologies
17. Allied Health
20. Vocational Home Economics
41. Science Technologies
43. Protective Services
46. Construction Trades
47. Mechanics and Repairers
48. Precision Production
49. Transportation and Material Moving

A small number of vocational education programs appear elsewhere in the classification structure. Reference A contains a complete listing of vocational programs.

The identification of definitions of the vocational education areas and their programs were determined by: (1) a review of all existing literature including other types of classification systems, (2) a study of catalogs and report forms from various postsecondary and below institutions and systems and (3) a massive field review (7,000 copies of an earlier draft of the CIP were mailed out) which included individuals representing higher education institutions, vocational education institutions, State agencies, education associations, Federal government agencies, and other interested parties.

CODING STRUCTURE



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VOLUME I                    THIRD EDITION OF VOCATIONAL PREPARATION AND OCCUPATIONS                    PAGE   326

PROGRAM:  47.0302   HEAVY EQUIPMENT MAINTENANCE AND REPAIR.
                    ======================================  AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS IN THE
                    FIELD MAINTENANCE OF HEAVY EQUIPMENT, AND IN GENERAL MAINTENANCE AND OVERHAUL OF SUCH EQUIPMENT.
                    INCLUDES INSTRUCTION IN INSPECTION, MAINTENANCE, AND REPAIR OF TRACKS, WHEELS, BRAKES, OPERATING
                    CONTROLS, PNEUMATIC AND HYDRAULIC SYSTEMS, ELECTRICAL CIRCUITRY, ENGINES, AND IN TECHNIQUES
                    OF WELDING AND BRAZING.

   DICTIONARY  OF  OCCUPATIONAL  TITLES                   S                                 OTHER    1980   O E S               1980
               FOURTH EDITION                     GED     V  PHYSICAL  WORKING              C I P    SOC    SURVEY   MATRIX     CENSUS
   CODE        TITLE                             R M L    P  DEMANDS   CONDITIONS           PROGRAM  CODE   CODE     CODE       CODE

184.167-170  SUPERINTENDENT, MAINTENANCE          4 4 3   7  S56       I                             1342   19000    20061699   019
221.367-038  LOCOMOTIVE LUBRICATING-SYSTEMS CLERK 3 2 3   5  S45       I                             4752   62003    40062400   363
620.261-022  CONSTRUCTION-EQUIPMENT MECHANIC      3 3 3   7  M346      B57                           6117   51034    50081803   516
620.281-042  LOGGING-EQUIPMENT MECHANIC           4 3 3   7  V23456    B56                           6117   51034    50081803   516
620.281-046  MAINTENANCE MECHANIC                 4 3 3   7  M36       I56         47.0604           6111   51008    50081001   505
620.281-050  MECHANIC, INDUSTRIAL TRUCK           4 3 3   7  M345      I           47.0605           6112   51034    50081803   507
620.281-058  TRACTOR MECHANIC                     4 3 3   7  M346      I4          01.0204           6112   51034    50081803   507
                                                                                   47.0605

620.381-010  MECHANICAL-UNIT REPAIRER             4 3 3   7  M456      B                             6117   51008    50081001   516
620.381-022  REPAIRER, HEAVY                      3 2 3   6  H46       I5                            6111   51008    50081001   505
620.664-010  CONSTRUCTION-EQUIPMENT-MECHANIC HELPER 2 1 2 3  M346      B56                           8632   56900    80002823   865
622.381-014  CAR REPAIRER                         4 3 3   7  H23456    B56                           6117   51066    50082803   516
622.381-018  CAR REPAIRER, PULLMAN                4 3 3   7  M2346     B                             6117   51066    50082803   516
622.381-022  CAR-REPAIRER APPRENTICE              4 3 3   7  H23456    B56                           6117   51066    50082803   516
622.684-010  AIR-COMPRESSOR MECHANIC              3 3 3   6  L46       I           47.0401           6117   51066    50082803   516
910.367-010  BRAKE COUPLER, ROAD FREIGHT          3 2 3   4  M2346     B6                            8233   55429    62001600   823
910.384-010  TANK-CAR INSPECTOR                   3 2 3   4  M2346     O6                            8280   51066    50082803   689
910.387-014  RAILROAD-CAR INSPECTOR               3 2 3   3  L346      O                             8280   55856    50142202   689
915.687-010  LUBRICATION SERVICER                 2 1 1   4  M34       I                             8738   55067    61002605   885
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This classification is built on a six-digit code with a three-level hierarchical system that permits for aggregation of comparable programs at varying levels of detail. These three levels range from the broad two-digit program category level through an intermediate four-digit to the most specific six-digit program level. The following will serve as an illustration.

01.	Agribusiness and Agricultural Production
01.01	Agricultural Business and Management
01.0101	Agricultural Business and Management, General
01.0102	Agricultural Business
01.0103	Agricultural Economics
01.0104	Farm and Ranch Management
01.0199	Agricultural Business and Management, Other

The definitions of all two-digit elements (01.) begin with the words "a summary of groups of instructional programs" while the definitions of all four-digit elements (01.01) begin with "a group of instructional programs." At the six-digit level (01.0101) all definitions begin with the words "an instructional program." Thus by definition, an instructional program can only be coded at the six-digit level.

Notes About Coding Programs

In most cases where there were occurrences of programs that logically could be classified under more than one two-digit category, a judgment was made when possible as to which two-digit category more closely followed historical tradition or modern consensus. In other instances, a general principle was applied where appropriate. Simply stated, the principle is that programs that take much of their emphasis from one instructional area and apply that emphasis or perspective to another, are classified under the applied area. For example, although 06.1706, Real Estate Law, derives much of its subject matter from law, it is classified under category 06. Business and Management, because real estate, a subdivision of business, represents the area to which the subject matter of law is applied in this particular instance.

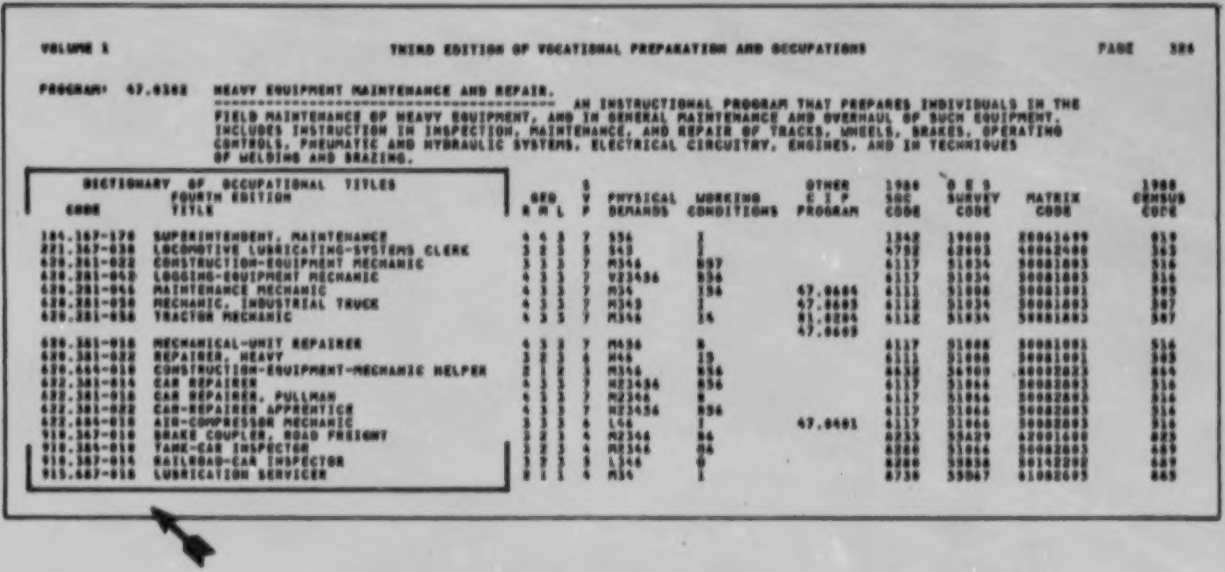
Cases also exist where programs are cross-referenced from one two-digit grouping to another. This is done in cases where programs have historically been classified in either of two places. In these cases, the program will appear in two different areas. However, all programs will have a single unique code derived from a single program area. This allows the classification to avoid duplication without creating undue confusion. For example, the program Commercial Fishing Operation is located under 49.0303. Forty-nine is the two-digit category, Transportation and Material Moving. If you were to look under the two-digit category, Renewable Natural Resources (03.), you would find Commercial Fishing Operation with the notation, See 49.0303.

Many, if not all, providers of educational programs will have at least one instructional program for which there is no specific six-digit code. In these cases, all four-digit groups which contain more than one six-digit code also have a code ending in "99," e.g., 01.0199, for "other" programs not specified. This allows for placement of a program that is not identifiable by any other six-digit code.

Many of the four-digit program groups have a "general" subcategory, e.g., 01.0101 Agricultural Business and Management, General. These "general" programs should be used only in those instances in which it is appropriate to connote program content covering two or more other subcategories within that group. It should not be used as a substitute for an "other" subcategory.

DICTIONARY OF OCCUPATIONAL TITLES (DOT)

The Dictionary of Occupational Titles contains a classification system in which jobs are given nine-digit code numbers to reflect the kind and level of work performed. Each nine-digit code number is composed of three 3-digit parts indicating occupational groups, the relationship of the worker to Data, People and Things, and a unique identifier.



VOLUME 1 THIRD EDITION OF VOCATIONAL PREPARATION AND OCCUPATIONS PAGE

PROGRAM: 47.0302 HEAVY EQUIPMENT MAINTENANCE AND REPAIR. AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS IN THE FIELD MAINTENANCE OF HEAVY EQUIPMENT, AND IN GENERAL MAINTENANCE AND OVERHAUL OF SUCH EQUIPMENT. INCLUDES INSTRUCTION IN INSPECTION, MAINTENANCE, AND REPAIR OF TRACKS, WHEELS, BRAKES, OPERATING CONTROLS, PNEUMATIC AND HYDRAULIC SYSTEMS, ELECTRICAL CIRCUITRY, ENGINES, AND IN TECHNIQUES OF WELDING AND BRAZING.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE TITLE — GED R M L — S V P — PHYSICAL DEMANDS — WORKING CONDITIONS — OTHER C I P PROGRAM — 1980 SOC CODE — O E S SURVEY CODE — MATRIX CODE — 1980 CENSUS CODE

SUPERINTENDENT, MAINTENANCE
LOCOMOTIVE LUBRICATING-SYSTEMS CLERK
CONSTRUCTION-EQUIPMENT MECHANIC
LOGGING-EQUIPMENT MECHANIC
MAINTENANCE MECHANIC
MECHANIC, INDUSTRIAL TRUCK
TRACTOR MECHANIC

MECHANICAL-UNIT REPAIRER
REPAIRER, HEAVY
CONSTRUCTION-EQUIPMENT-MECHANIC HELPER
CAR REPAIRER
CAR REPAIRER, PULLMAN
CAR-REPAIRER APPRENTICE
AIR-COMPRESSOR MECHANIC
BRAKE COUPLER, ROAD FREIGHT
TANK-CAR INSPECTOR
RAILROAD-CAR INSPECTOR
LUBRICATION SERVICER

The Occupational Group Arrangement

The first three digits of the code reflect combinations of work field, purpose, material, products and services, subject matter, generic term and/or industry. These combinations are organized according to a numerically coded hierarchy which arranges jobs into three levels of specificity.

Levels of Specificity of Occupational Group	Number
Occupational Categories (first digit)	9
Occupational Divisions (second digit)	82
Occupational Groups (third digit)	559

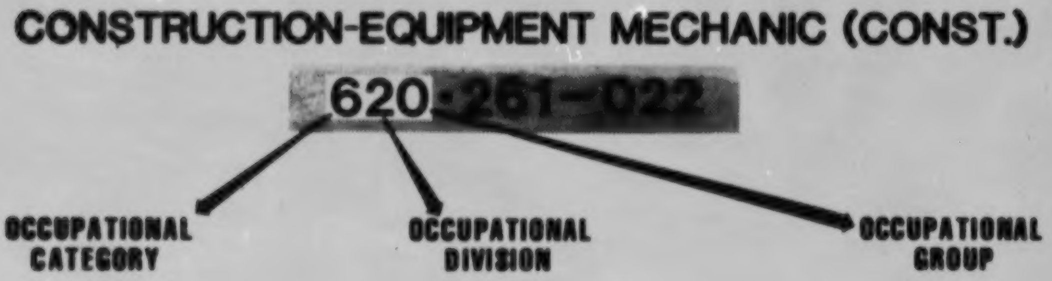
The occupational categories are:

0/1	Professional, technical and managerial occupations
2	Clerical and sales occupations
3	Service occupations
4	Agricultural, fishery, forestry and related occupations

5 Processing occupations
6 Machine trades occupations
7 Benchwork occupations
8 Structural work occupations
9 Miscellaneous occupations

The listing of occupational categories, divisions and groups for the Fourth Edition DOT are shown in Reference B.

Code Digits 1-2-3



OCCUPATIONAL CATEGORY	OCCUPATIONAL DIVISION	OCCUPATIONAL GROUP
0/1	60	620 Motorized vehicle and engineering equipment mechanics and repairers
2	61	
3	62/63 Mechanics and Machinery Repairers	
4	64	621
5	65	622
6 Machine trades occupations	66	623
7	67	624
8	68	625
9	69	626
		627
		628
		629

In the above example, the category (first digit) is designated as "6" for "Machine trades occupations." The addition of the second digit places the occupation in the two-digit division "62/63," "Mechanics and machinery repairers." The three-digit occupational group arrangement "620" signifies "Motorized vehicle and engineering equipment mechanics and repairers."

Code Digits 4-5-6

The fourth, fifth and sixth digits of the code number are based on the following findings of U.S. Employment Service research:

1. Every job requires the worker to function in some degree in relation to Data, People and Things. (See Reference C.)

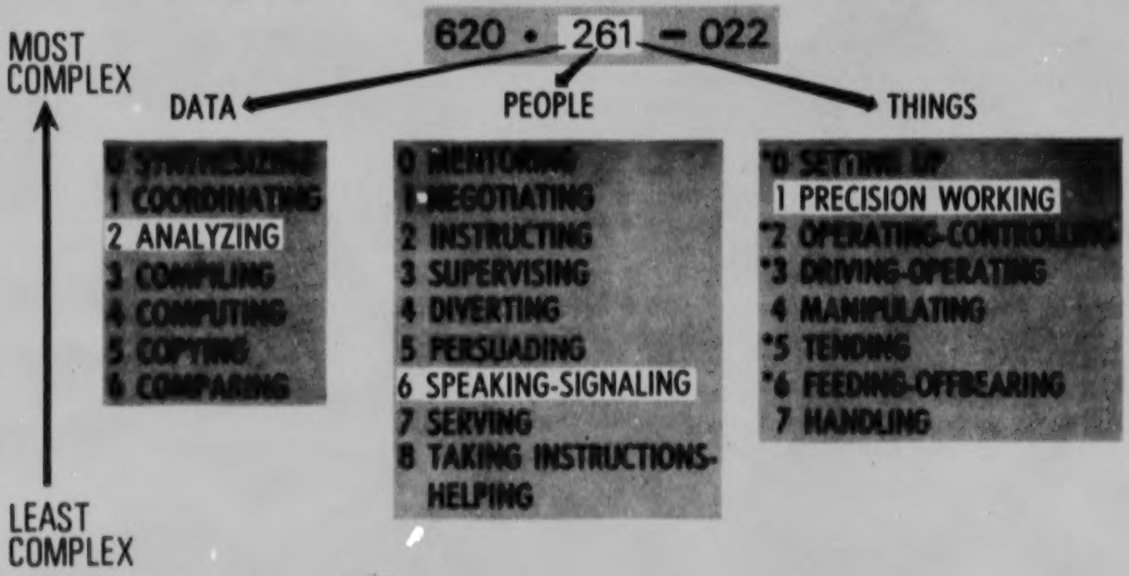
2. The relationships specific to Data, People and Things can be arranged in each case from the simple to the complex in a hierarchy so that, generally, each successive function can include the simple ones and exclude the more complex functions. (As each of the levels in the People hierarchy represents a wide range of complexity, resulting in considerable overlap among occupations, their arrangement is somewhat arbitrary and can be considered a hierarchy only in the most general sense.)

3. It is possible to express a job's relationship to Data, People and Things by identifying the highest appropriate function in each hierarchy at which the job requires the worker to perform.

4. Together, these three digits of the code number can express the total level of complexity at which the job requires the worker to function.

The worker function relationships within the Data, People and Things hierarchies for the title, Construction-Equipment Mechanic (const.) are as follows:

STRUCTURE OF WORKER FUNCTIONS
CONSTRUCTION-EQUIPMENT MECHANIC (CONST.)


620 • 261 – 022
MOST COMPLEX
LEAST COMPLEX
DATA
PEOPLE
THINGS
0 SYNTHESIZING
1 COORDINATING
2 ANALYZING
3 COMPILING
4 COMPUTING
5 COPYING
6 COMPARING
0 MENTORING
1 NEGOTIATING
2 INSTRUCTING
3 SUPERVISING
4 DIVERTING
5 PERSUADING
6 SPEAKING-SIGNALING
7 SERVING
8 TAKING INSTRUCTIONS-HELPING
*0 SETTING UP
1 PRECISION WORKING
*2 OPERATING-CONTROLLING
*3 DRIVING-OPERATING
4 MANIPULATING
*5 TENDING
*6 FEEDING-OFFBEARING
7 HANDLING

*INDICATES A WORKER/MACHINE RELATIONSHIP

The Data, People and Things hierarchy levels are arranged in what is meant to be a descending scale of functional complexity. The lower numbers represent more complex levels of work performance. For example, with this numbering system, it may be inferred that an occupation having the middle three digits of .261 is of a higher level of complexity than a job coded .685. This type of inference can be useful in comparing different jobs but it should only be applied to jobs in the same occupational group, i.e., a group that has the same first three digits.

In addition, it must be kept firmly in mind that the Data, People and Things levels are descriptive concepts rather than quantitative measures and, as such, do not always represent the fullest expression of job complexity. They describe what the worker does on the job. Sometimes what workers do is an adequate discriminator of performance level; sometimes it is not.[23]

In this example showing the code for Construction-Equipment Mechanic (const.), the numbers indicate that the worker's relationship to Data is at hierarchy level 2, which is described as "Analyzing;" the relationship to people is at level 6, which is described as "Speaking-Signaling;" and the relationship to Things is at level 1 for "Precision Working." The numbers provide a description of the worker's functional activities in this particular occupation. The workers's primary activities involve analyzing data and precision working with things. Contacts with people are of minor importance, involving speaking and signaling. All occupations can be expressed in this way. It should be noted that in the Dictionary, only those relationships which are occupationally significant in terms of the requirements of the job are reflected in the code numbers. The incidental relationships which every worker has to Data, People, and Things, but which do not seriously affect successful performance of the essential duties of the job, are not reflected.[24]

The assignment of the fourth, fifth and sixth digits of the DOT code to any given occupation is made regardless of the occupational group involved. The functional code in the aforementioned example of .261 may apply to many occupations in many different areas of technology besides the Occupational Group 620 if it correctly indicates what the worker does in the various occupational groups.

It is in the combination of the first three digits with the second three digits that the full occupational meaning can be realized--the second three digits expressing what the worker does and the first specifying the occupational area in which the work is being done. The resulting combination provides a thumbnail sketch of the occupation.[25]

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[23] State of California, Employment Development Department, *The Use of the Dictionary of Occupational Titles as a Job Information System in Vocational Counseling* (Los Angeles, 1976), p. 6.

[24] *Ibid*.

Code Digits 7-8-9

The third group of three digits, positions 7-8-9, provides a unique suffix code for each occupational title defined in the DOT. Where a six-digit code number is applied to only one job title, the suffix code is 010. Occupations that have identical six-digit DOT codes begin with the 010 suffix code and progress in additive steps of four, such as 018, 022, 026. The titles of the occupations are listed in alphabetical order. The following is illustrative of this:

620.261-018	Automobile-Repair-Service Estimator (auto. ser.)
620.261-022	Construction-Equipment Mechanic (const.)
620.261-026	Electric-Golf-Cart Repairer (amuse. & rec.; auto. ser.)

The combination of these three groups of digits results in a unique nine-digit code which serves to define the given occupation and differentiates it from all others.

DOT Titles

The base title, which is the primary title by which the occupation is known, appears directly after the nine-digit code. It is in all capital letters and in boldface type. The alternate title, which appears directly after the industry designation, is the title by which the occupation also is known but is encountered less frequently than the base title. The alternate title appears in lower case boldface. There may be more than one alternate title for an occupation. At the end of the body of the base title definition, other specific job titles may be found. These titles, presented in boldface capital letters, are the undefined related titles. They are not defined separately since they are closely related to the base title definition in which they are found. The meaning of each undefined related title is obvious from a comparison of the title itself and the base title definition in which it occurs. It takes the same code as the base title and is introduced in the body of the base title definition by "May be designated as," or "Worker may . . . and be known as . . .;" it may have a different industry designation from the base title and may be followed by a Roman numeral in boldface. Roman numerals are assigned to base titles as well as to undefined related titles to distinguish among occupations having identical titles and industry designations but different sets of duties. When this occurs, the Roman numeral becomes part of the title and is always recorded along with the title and industry designation.

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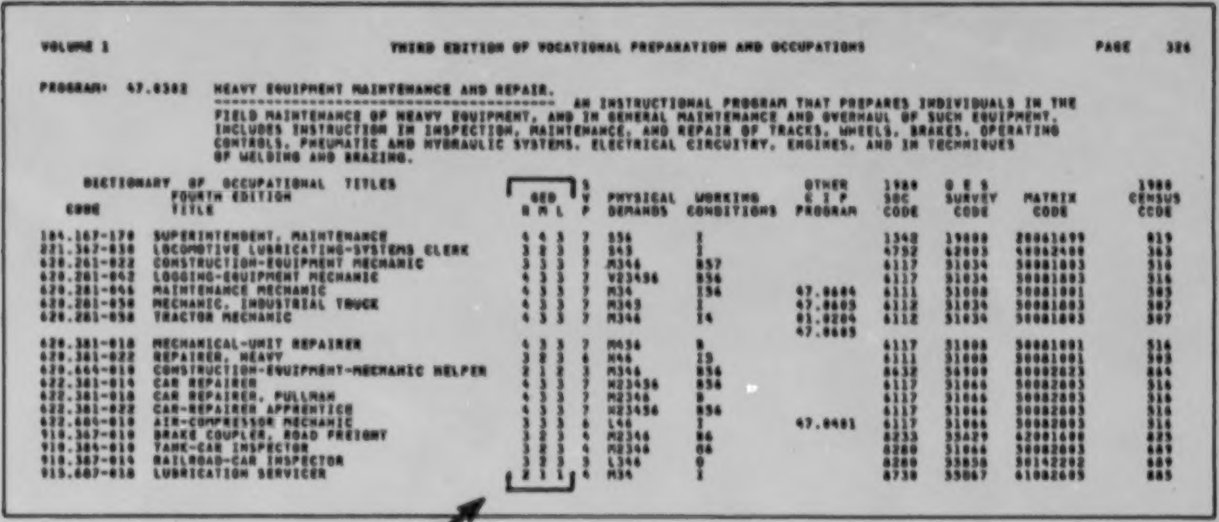
[25] Ibid.

GENERAL EDUCATION DEVELOPMENT (GED)

The basic concept of General Education Development (GED) is that some amount of general education and/or life experience is necessary for the satisfactory performance of any given job. This amount varies according to the nature and complexity of the job.



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PROGRAM: 47.0302 HEAVY EQUIPMENT MAINTENANCE AND REPAIR. AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS IN THE FIELD MAINTENANCE OF HEAVY EQUIPMENT, AND IN GENERAL MAINTENANCE AND OVERHAUL OF SUCH EQUIPMENT. INCLUDES INSTRUCTION IN INSPECTION, MAINTENANCE, AND REPAIR OF TRACKS, WHEELS, BRAKES, OPERATING CONTROLS, PNEUMATIC AND HYDRAULIC SYSTEMS, ELECTRICAL CIRCUITRY, ENGINES, AND IN TECHNIQUES OF WELDING AND BRAZING.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
184.167-170	SUPERINTENDENT, MAINTENANCE	4	4	3	7	S56	I		1348	19000	20061699	019
221.367-030	LOCOMOTIVE LUBRICATING-SYSTEMS CLERK	3	2	3	3	S43	I		4752	62003	49062409	363
620.261-022	CONSTRUCTION-EQUIPMENT MECHANIC	3	3	3	7	M346	B57		6117	51034	50081003	516
620.281-042	LOGGING-EQUIPMENT MECHANIC	4	3	3	7	V23456	B56		6117	51034	50081003	516
620.281-046	MAINTENANCE MECHANIC	4	3	3	7	M34	I56	47.0606	6111	51008	50081001	503
620.281-050	MECHANIC, INDUSTRIAL TRUCK	4	3	3	7	M343	I	47.0605	6112	51034	50081003	507
620.281-058	TRACTOR MECHANIC	4	3	3	7	M346	I4	01.0204 47.0605	6112	51034	50081003	507
620.381-018	MECHANICAL-UNIT REPAIRER	4	3	3	7	M036	B		6117	51008	50081001	516
620.381-022	REPAIRER, HEAVY	3	2	3	6	H46	I5		6111	51008	50081001	503
620.664-010	CONSTRUCTION-EQUIPMENT-MECHANIC HELPER	2	1	2	3	M346	B56		8632	56900	80002623	864
622.381-014	CAR REPAIRER	4	3	3	7	H23456	B56		6117	51066	50082003	516
622.381-018	CAR REPAIRER, PULLMAN	4	3	3	7	M2346	B		6117	51066	50082003	516
622.381-022	CAR-REPAIRER APPRENTICE	4	3	3	7	H23456	B56		6117	51066	50082003	516
622.684-010	AIR-COMPRESSOR MECHANIC	3	3	3	6	L46	I	47.0401	6117	51066	50082003	516
910.367-010	BRAKE COUPLER, ROAD FREIGHT	3	2	3	4	M2346	B6		8233	35A29	62081600	825
910.384-010	TANK-CAR INSPECTOR	3	2	3	4	M2346	O6		8280	51066	50082003	689
910.387-014	RAILROAD-CAR INSPECTOR	3	2	3	3	L346	O		8280	35836	50142202	689
915.687-018	LUBRICATION SERVICER	2	1	1	4	M34	I		8738	35067	61082605	885

GED is defined as follows:

> General Education Development embraces those aspects of education (formal and informal) which contribute to the worker's (a) reasoning development and ability to follow instructions, and (b) acquisition of "tool" knowledges, such as language and mathematical skills. This is education of a general nature which does not have a recognized, fairly specific occupational objective. Ordinarily, such education is obtained in elementary school, high school, or college. However, it derives also from experience and self-study.[26]

GED is subdivided into three factors: reasoning development, mathematical development and language development. The chart on the following page defines the six levels of each of these factors.

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[26] U.S. Department of Labor, Manpower Administration, Handbook for Analyzing Jobs (Washington: U.S. Government Printing Office, 1972), p. 209.

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Scale of General Education Development (GED)[27].

LEVEL	REASONING DEVELOPMENT	MATHEMATICAL DEVELOPMENT	LANGUAGE DEVELOPMENT
6	Apply principles of logical or scientific thinking to a wide range of intellectual and practical problems. Deal with nonverbal symbolism (formulas, scientific equations, graphs, musical notes, etc.) in its most difficult phases. Deal with a variety of abstract and concrete variables. Apprehend the most abstruse classes of concepts.	Advanced calculus: Work with limits, continuity, real number systems, mean value theorems, and implicit function theorems. Modern algebra: Apply fundamental concepts of theories of groups, rings, and fields. Work with differential equations, linear algebra, infinite series, advanced operations methods, and functions of real and complex variables. Statistics: Work with mathematical statistics, mathematical probability and applications, experimental design, statistical inference, and econometrics.	Reading: Read literature, book and play reviews, scientific and technical journals, abstracts, financial reports, and legal documents. Writing: Write novels, plays, editorials, journals, speeches, manuals, critiques, poetry, and songs. Speaking: Conversant in the theory, principles, and methods of effective and persuasive speaking, voice and diction, phonetics, and discussion and debate.
5	Apply principles of logical or scientific thinking to define problems, collect data, establish facts, and draw valid conclusions. Interpret an extensive variety of technical instructions in mathematical or diagrammatic form. Deal with several abstract and concrete variables.	Algebra: Work with exponents and logarithms, linear equations, quadratic equations, mathematical induction and binomial theorem, and permutations. Calculus: Apply concepts of analytic geometry, differentations and integration of algebraic functions with applications. Statistics: Apply mathematical operations to frequency distributions, reliability and validity of tests, normal curve, analysis of variance, correlation techniques, chi-square application and sampling theory, and factor analysis.	Same as level 6.
4	Apply principles of rational systems[1] to solve practical problems and deal with a variety of concrete variables in situations where only limited standardization exists. Interpret a variety of instructions furnished in written, oral, diagrammatic, or schedule form.	Algebra: Deal with system or real numbers; linear, quadratic, rational, exponential, logarithmic, angle and circular functions, and inverse functions; related algebraic solution of equations and inequalities; limits and continuity, and probability and statistical inference. Geometry: Deductive axiomatic geometry, plane and solid; and rectangular coordinates. Shop Math: Practical application of fractions, percentages, ratio and proportion, mensuration, logarithms, slide rule, practical algebra, geometric construction, and essentials of trigonometry.	Reading: Read novels, poems, newspapers, periodicals, journals, manuals, dictionaries, thesauruses, and encyclopedias. Writing: Prepare business letters, expositions, summaries, and reports, using prescribed format and conforming to all rules of punctuation, grammar, diction, and style. Speaking: Participate in panel discussions, dramatizations, and debates. Speak extemporaneously on a variety of subject.
3	Apply commonsense understanding to carry out instructions furnished in written, oral or diagrammatic form. Deal with problems involving several concrete variables in or from standardized situations.	Compute discount, interest, profit, and loss; commission, markup, and selling price; ratio and proportion, and percentage. Calculate surfaces, volumes, weights, and measures. Algebra: Calculate variables and formulas; monomials and polynomials; ratio and proportion variables; and square roots and radicals Geometry: Calculate plane and solid figures; circumference, area, and volume. Understand kinds of angles, and properties of pairs of angles.	Reading: Read a variety of novels, magazines, atlases, and encyclopedias. Read safety rules, instructions in the use and maintenance of shop tools and equipment, and methods and procedures in mechanical drawing and layout work. Writing: Write reports and essays with proper format, punctuation, spelling, and grammar, using all parts of speech. Speaking: Speak before an audience with poise, voice control, and confidence, using correct English and well-modulated voice.
2	Apply commonsense understanding to carry out detailed but uninvolved written or oral instructions. Deal with problems involving a few concrete variables in or from standardized situations.	Add, subtract, multiply, and divide all units of measure. Perform the four operations with like common and decimal fractions. Compute ratio, rate, and percent. Draw and interpret bar graphs. Perform arithmetic operations involving all American monetary units.	Reading: Passive vocabulary of 5,000-6,000 words. Read at rate of 190-215 words per minute. Read adventure stories and comic books, looking up unfamiliar words in dictionary for meaning, spelling, and pronunciation. Read instructions for assembling model cars and airplanes. Writing: Write compound and complex sentences, using cursive style, proper end punctuation, and employing adjectives and adverbs. Speaking: Speak clearly and distinctly with appropriate pauses and emphasis, correct pronunciation, variations in word order, using present, perfect, and future tenses.
1	Apply commonsense understanding to carry out simple one- or two-step instructions. Deal with standardized situations with occasional or no variables in or from these situations encountered on the job.	Add and subtract two digit numbers. Multiply and divide 10's and 100's by 2, 3, 4, 5. Perform the four basic arithmetic operations with coins as part of a dollar. Perform operations with units such as cup, pint, and quart; inch, foot, and yard; and ounce and pound.	Reading: Recognize meaning of 2,500 (two- or three-syllable) words. Read at rate of 95-120 words per minute. Compare similarities and differences between words and between series of numbers. Writing: Print simple sentences containing subject, verb, and object, and series of numbers, names, and addresses. Speaking: Speak simple sentences using normal word order, and present and past tenses.

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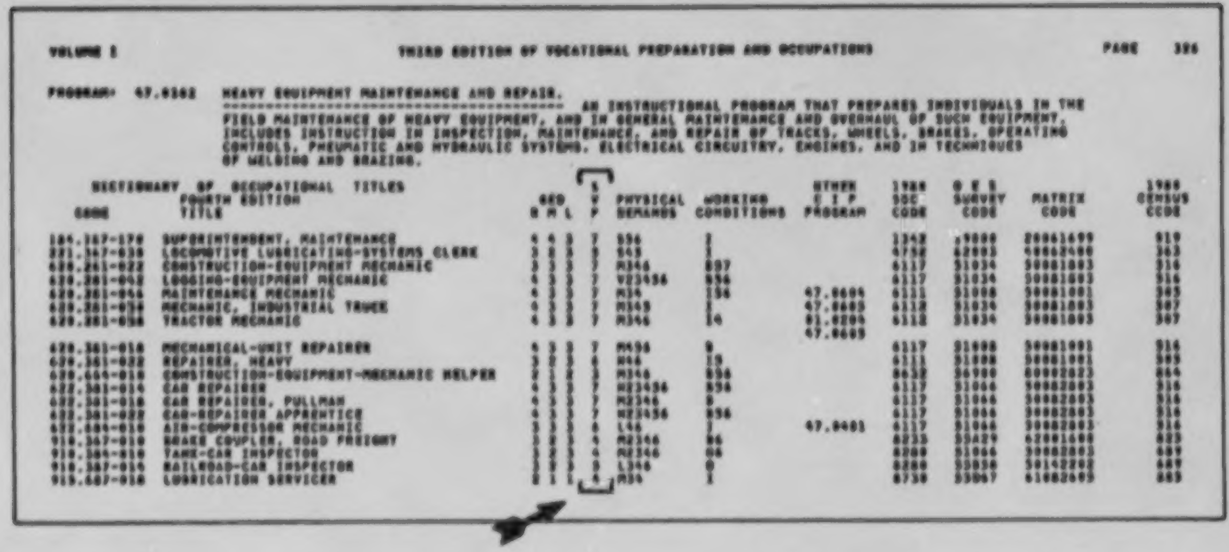
[1] Examples of rational systems are: bookkeeping, internal combustion engines, electric wiring systems, house building, nursing, farm management, and navigation.

27 Ibid., pp. 210-211

SPECIFIC VOCATIONAL PREPARATION (SVP)

The idea underlying Specific Vocational Preparation (SVP) is that some amount of time is required to learn the techniques, develop the facility and acquire the knowledge for acceptable performance in a specific occupation.



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SVP is defined as follows:

> The amount of time required to learn the techniques, acquire the information, and develop the facility needed for average performance in a specific job-worker situation. This training may be acquired in a school, work, military, institutional, or vocational environment. It does not include orientation training required of a fully qualified worker to become accustomed to the special conditions of any new job. Specific vocational training includes:
>
> a. Vocational education (high school, commercial or shop training, technical school, art school, and that part of college training which is organized around a specific vocational objective);
>
> b. Apprentice training (obtained in those jobs offering apprenticeships);
>
> c. Inplant training (given by the employer in the form of organized classroom study);

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d. On-the-job training (instruction given to learner or trainee on the job by a qualified worker);

e. Essential experience in other jobs (received in less responsible jobs or other jobs which qualify for a higher grade job).[28]

To express the amount of Specific Vocational Preparation required by various jobs, the following scale of time periods has been established.[29]

Level	
1	Short demonstration only
2	Anything beyond short demonstration up to and including 30 days
3	Over 30 days up to and including 3 months
4	Over 3 months up to and including 6 months
5	Over 6 months up to and including 1 year
6	Over 1 year up to and including 2 years
7	Over 2 years up to and including 4 years
8	Over 4 years up to and including 10 years
9	Over 10 years

SVP does not represent just the amount of time required to learn a job. It also involves any amount of practice time needed to apply the learning in order to reach a level of average performance. This can be illustrated in the case of a bus driver. An inexperienced driver may "learn how" to operate a bus within a few days but it will take some weeks, perhaps months, before the person develops the competence of average bus driving. It is important to note that SVP is always measured by performance.[30]

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[28] Ibid., p. 209.

[29] In evaluating training time information on jobs, observe the following standards: (1) regard 30 hours of high school shop or commercial training as equivalent to about 15 hours of on-the-job training; (2) regard the average four-year college curriculum (except for liberal arts) as equivalent to about two years of Specific Vocational Preparation; (3) regard each year of graduate schooling as a year of specific vocational preparation. Ibid., pp. 209 and 220.

[30] State of California, Department of Human Resources Development, California Occupational Analysis Field Center, The Use of Job-Analysis Training Time Estimates in Planning and Evaluating Manpower Programs (Los Angeles, 1971), pp. 26-27.

The General Education Development (GED) and SVP are complementary concepts, although they have different types of rating scales. The GED levels assigned to each DOT indicate the levels of reasoning, math and language required of a worker to adequately perform in an occupation. The SVP ratings provide an estimate of time required for a worker of a specific GED to learn to do the job with average performance efficiency. For example, Construction-Equipment Mechanic requires a GED level of (R) 3, (M) 3, and (L) 3 and an SVP of 7. This could be interpreted to mean that a worker who already possesses these GED levels will typically require two-to-four years (at five days a week, eight hours a day) of Specific Vocational Preparation to reach average performance on the job.

The amount of time needed for Specific Vocation Preparation (SVP) is also an indicator of the complexity of a job. There are actually three factors which influence the assigning of SVP to a specific occupation. These factors have to do with different aspects of job complexity.[31] They are:

1. learning the techniques of a job,
2. acquiring the necessary job knowledges, and
3. developing performance competency.

In some jobs, the amount of SVP needed to reach average performance may be greater because the techniques are exacting and require more time for learning. An example of this situation is the job of Precision-Lens Grinder (optical goods) 716.382-018. In other jobs, the techniques may be relatively simple and the practice time negligible but a great body of supporting knowledge may be required before the job can be performed successfully. An example of this situation is the job of Sales Agent, Life Insurance (insurance) 250.257-010.

In other jobs, the length of preparation may be related primarily to the practice time needed to develop competence, such as Stenotype Operator (clerical) 202.362-022. In still other jobs, such as Radiologic Technologist (medical ser.) 078.362-026, a combination of the three factors may contribute to the amount of time needed to reach average performance.

A generalization can be made that the greater the training time required, the more complex the job. An example of this can be seen by comparing the jobs listed on the following page. They are in the the aircraft manufacturing industry. The title Aircraft-Aerospace Manufacturing is the DOT industry designation title.

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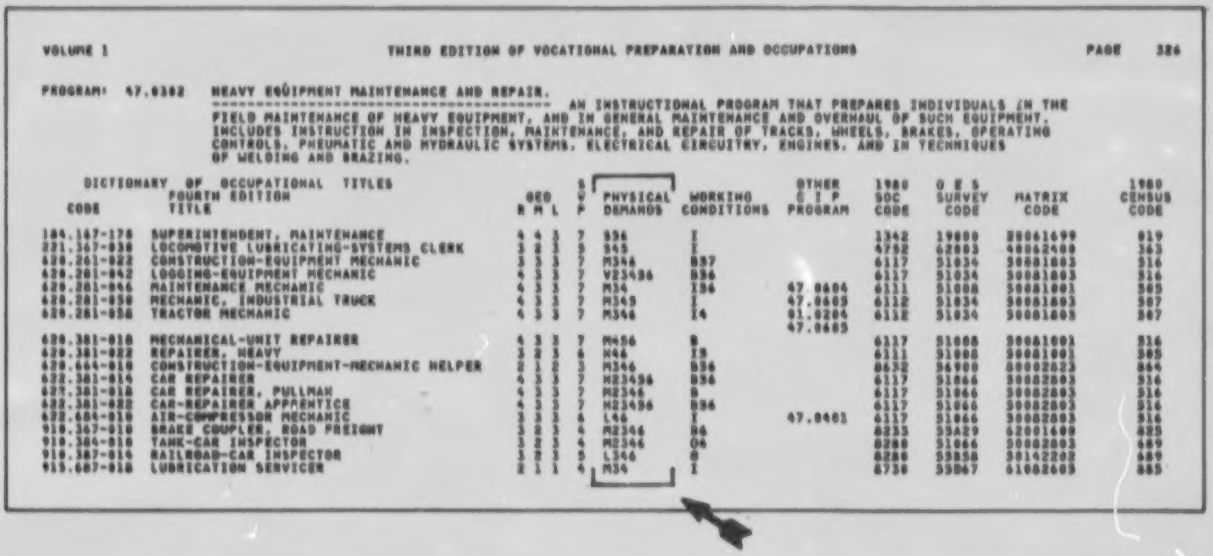
[31] Ibid.

DOT CODE	DOT TITLE	IND DES.	GED	SVP	TIME
706.684-066	Instrument-Panel Assembler	Aircraft-Aerospace Mfg.	323	4	3-6 mos.
782.684-022	Fabric Worker	Aircraft-Aerospace Mfg.	312	5	6 mos.-1 yr.
865.484-010	Safety-Glass Installer	Aircraft-Aerospace Mfg.	323	6	1-2 yrs.

All of the jobs are basically "manipulating" jobs (refer to code digits 4-5-6). In terms of the activity level involved, they have a similar GED requirement. The difference among these jobs is the SVP as shown by the varying amounts of time it takes to learn the specific techniques of job performance, acquire specific job knowledge and develop the required competencies.[32]

PHYSICAL DEMANDS

This section is concerned with those physical capacities required of a worker to perform in a job.[33]



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DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
184.167-178	SUPERINTENDENT, MAINTENANCE	4 4 3	7	S36	I		1342	19000	15061699	019
221.367-030	LOCOMOTIVE LUBRICATING-SYSTEMS CLERK	3 2 3	5	S45	I		4752	62003	40062400	363
620.261-022	CONSTRUCTION-EQUIPMENT MECHANIC	3 3 3	7	M346	B37		6117	51034	50081003	516
620.281-042	LOGGING-EQUIPMENT MECHANIC	4 3 3	7	V23456	B36		6117	51034	50081003	516
620.281-046	MAINTENANCE MECHANIC	4 3 3	7	M34	I56	47.0404	6111	51008	50081001	505
620.281-050	MECHANIC, INDUSTRIAL TRUCK	4 3 3	7	M345	I	47.0603	6112	51034	50081003	507
620.281-058	TRACTOR MECHANIC	4 3 3	7	M346	I4	01.0204 47.0605	6112	51034	50081003	507
620.381-018	MECHANICAL-UNIT REPAIRER	4 3 3	7	M456	B		6117	51008	50081001	516
620.381-022	REPAIRER, HEAVY	3 2 3	6	H46	I5		6111	51008	50081001	505
620.664-010	CONSTRUCTION-EQUIPMENT-MECHANIC HELPER	2 1 2	3	M346	B36		8632	56900	60002023	865
622.381-014	CAR REPAIRER	4 3 3	7	H23456	B36		6117	51066	50082003	516
622.381-018	CAR REPAIRER, PULLMAN	4 3 3	7	H2346	B		6117	51066	50082003	516
622.381-022	CAR-REPAIRER APPRENTICE	4 3 3	7	H23456	B36		6117	51066	50082003	516
622.684-010	AIR-COMPRESSOR MECHANIC	3 3 3	6	L46	I	47.0401	6117	51066	50082003	516
910.367-010	BRAKE COUPLER, ROAD FREIGHT	3 2 3	4	H2346	O6		8233	33A29	62001600	825
910.384-010	TANK-CAR INSPECTOR	3 2 3	4	H2346	O6		8280	51066	50082003	689
910.387-014	RAILROAD-CAR INSPECTOR	3 2 3	5	L346	O		8280	33858	58142202	689
915.687-018	LUBRICATION SERVICER	2 1 1	4	M34	I		8730	33067	61082605	885

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[32] Ibid., pp. 27-28

[33] U.S. Department of Labor, Manpower Administration, op. cit., pp. 325-331.

The physical demands listed in this publication serve as a means of expressing both the physical requirements of the job and the physical capacities (special physical traits) a worker must have to meet the requirements. For example, "seeing" (perceiving by the sense of vision) is the name of a physical demand required by many jobs and also the name of a specific capacity (having the power of sight) possessed by many people. The worker must possess physical capacities at least in an amount equal to the physical demands made by the job. Physical requirements of a job are defined in terms of six physical demands factors.

The Factors

1. Strength

This factor is expressed in terms of sedentary, light, medium, heavy and very heavy and is measured by involvement of the worker with one or more of the following activities:

a. Standing, walking, sitting

(1) Standing: Remaining on one's feet in an upright position at a work station without moving about.

(2) Walking: Moving about on foot.

(3) Sitting: Remaining in the normal seated position.

b. Lifting, carrying, pushing, pulling

(1) Lifting: Raising or lowering an object from one level to another (includes upward pulling).

(2) Carrying: Transporting an object, usually holding it in the hands or arms or on the shoulder.

(3) Pushing: Exerting force upon an object so that the object moves away from the force (includes slapping, striking, kicking and treadle actions).

(4) Pulling: Exerting force upon an object so that the object moves toward the force (includes jerking).

The five degrees of strength are defined below:

S-Sedentary Work

Lifting 10 pounds maximum and occasionally lifting and/or carrying such articles as dockets, ledgers, and small tools. Although a sedentary job is defined as one which involves sitting, a certain amount of walking and standing is often necessary in carrying out job duties. Jobs are sedentary if walking and standing are required only occasionally and other sedentary criteria are met.

L-Light Work

Lifting 20 pounds maximum with frequent lifting and/or carrying of objects weighing up to 10 pounds. Even though the weight lifted may be a negligible amount, a job is in this category when it requires walking or standing to a significant degree or when it involves sitting most of the time but entails pushing and pulling of arm and/or leg controls.

M-Medium Work

Lifting 50 pounds maximum with frequent lifting and/or carrying of objects weighing up to 25 pounds.

H-Heavy Work

Lifting 100 pounds maximum with frequent lifting and/or carrying of objects weighing up to 50 pounds.

V-Very Heavy Work

Lifting objects in excess of 100 pounds with frequent lifting and/or carrying of objects weighing 50 pounds or more.

2. Climbing and/or balancing

(a) Climbing: Ascending or descending ladders, stairs, scaffolding, ramps, poles, ropes and the like using the feet and legs and/or hands and arms.

(b) Balancing: Maintaining body equilibrium to prevent falling when walking, standing, crouching, or running on narrow, slippery or erratically moving surfaces; or maintaining body equilibrium when performing gymnastic feats.

For climbing, emphasis is placed on agility; for balancing, it is placed on equilibrium.

3. Stooping, kneeling, crouching, and/or crawling

(a) Stooping: Bending the body downward and forward by bending the spine at the waist.

(b) Kneeling: Bending the legs at the knees to come to rest on the knee or knees.

(c) Crouching: Bending the body downward and forward by bending the legs and spine.

(d) Crawling: Moving about on hands and knees or hands and feet.

The activities in this factor (3) involve full use of lower extremities as well as back muscles.

4. Reaching, handling, fingering and/or feeling

(a) Reaching: Extending the hand(s) and arm(s) in any direction.

(b) Handling: Seizing, holding, grasping, turning, or otherwise working with the hand or hands (fingering not involved).

(c) Fingering: Picking, pinching or otherwise working with the fingers primarily (rather than with the whole hand or arms as in handling).

(d) Feeling: Perceiving attributes of objects such as size, shape, temperature or texture by means of receptors in the skin, particularly those in the finger tips.

5. Talking and/or hearing

(a) Talking: Expressing or exchanging ideas by means of the spoken word.

(b) Hearing: Perceiving the nature of sounds by the ear.

Talking is important for those activities in which the worker must impart oral information to clients or to the public and in those activities in which they must convey detailed or important spoken instructions to other employees accurately, loudly or quickly. Hearing is important for those activities which require the ability to receive information through oral communication and to make fine discriminations in sound such as when making fine adjustments on running engines.

This factor is not important in activities in which the worker may receive oral instructions only for a few times daily and does not give any instructions or engage in other than very short conversations.

6. Seeing

Obtaining impressions through the eyes of the shape, size, distance, motion, color or other characteristics of objects. The major aspects of vision are:

(a) Acuity, far: Clarity of vision at 20 feet or more.
Acuity, near: Clarity of vision at 20 inches or less.

(b) Depth perception: Three-dimensional vision. The ability to judge distance and space relationships so as to see objects where and as they actually are.

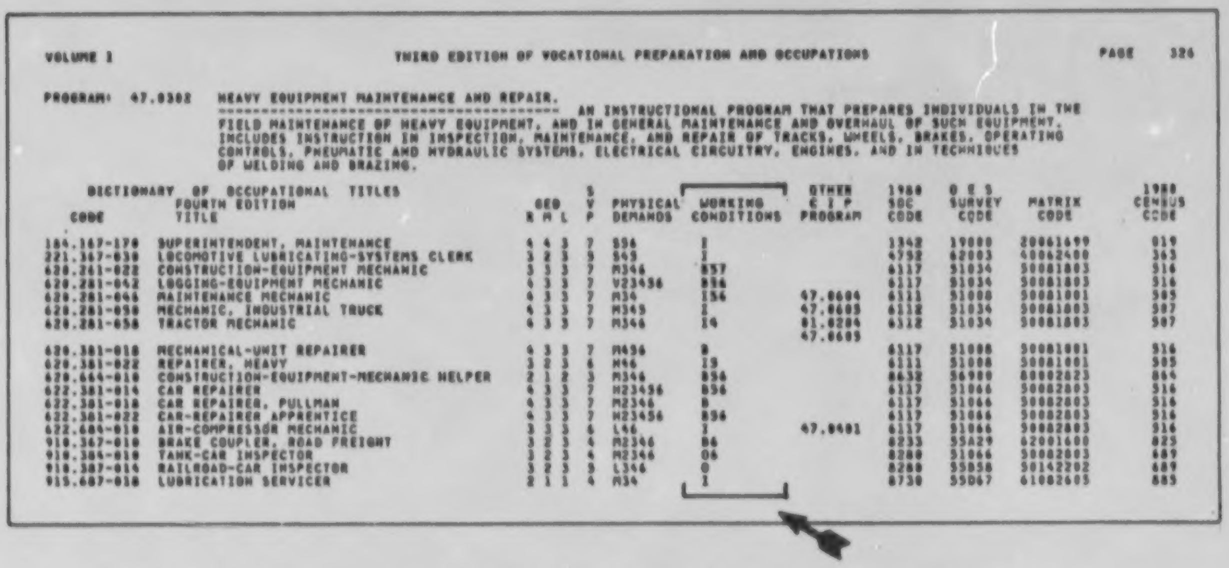
(c) Field of vision: The area that can be seen up and down or to the right or left while eyes are fixed on a given point.

(d) Accommodation: Adjustment of the lens of the eye to bring the object into sharp focus. This item is especially important when doing near-point work at varying distances from the eye.

(e) Color vision: The ability to identify and distinguish colors.

Seeing is important for those activities in which good eyesight is required for production and/or safety of self and others. There are two kinds of activities in which seeing is important: (1) hazardous jobs in which defective seeing would result in injury to self and others; and (2) jobs in which special and minute accuracy, inspecting and sorting is demanded. When a high degree of visual efficiency is necessary, this factor is important.

WORKING CONDITIONS



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PROGRAM: 47.0302 HEAVY EQUIPMENT MAINTENANCE AND REPAIR. AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS IN THE FIELD MAINTENANCE OF HEAVY EQUIPMENT, AND IN GENERAL MAINTENANCE AND OVERHAUL OF SUCH EQUIPMENT. INCLUDES INSTRUCTION IN INSPECTION, MAINTENANCE, AND REPAIR OF TRACKS, WHEELS, BRAKES, OPERATING CONTROLS, PNEUMATIC AND HYDRAULIC SYSTEMS, ELECTRICAL CIRCUITRY, ENGINES, AND IN TECHNIQUES OF WELDING AND BRAZING.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
184.167-170	SUPERINTENDENT, MAINTENANCE	4	4	3	7	S36	I		1342	19000	20061699	019
221.367-030	LOCOMOTIVE LUBRICATING-SYSTEMS CLERK	3	2	3	5	S45	I		4752	62003	40062400	363
620.261-022	CONSTRUCTION-EQUIPMENT MECHANIC	3	3	3	7	M346	B57		6117	51034	50081803	516
620.281-042	LOGGING-EQUIPMENT MECHANIC	4	3	3	7	V23456	B56		6117	51034	50081803	516
620.281-046	MAINTENANCE MECHANIC	4	3	3	7	M34	I56	47.0604	6111	51008	50081001	505
620.281-050	MECHANIC, INDUSTRIAL TRUCK	4	3	3	7	M345	I	47.0605	6112	51034	50081803	507
620.281-058	TRACTOR MECHANIC	4	3	3	7	M346	I4	01.0204 47.0605	6112	51034	50081803	507
620.381-010	MECHANICAL-UNIT REPAIRER	4	3	3	7	M456	B		6117	51008	50081001	516
620.381-022	REPAIRER, HEAVY	3	2	3	6	H46	I5		6111	51008	50081001	505
620.664-010	CONSTRUCTION-EQUIPMENT-MECHANIC HELPER	2	1	2	3	M346	B56		8632	56980	80002823	864
622.381-014	CAR REPAIRER	4	3	3	7	H23456	B56		6117	51066	50082803	516
622.381-018	CAR REPAIRER, PULLMAN	4	3	3	7	M2346	B		6117	51066	50082803	516
622.381-022	CAR-REPAIRER APPRENTICE	4	3	3	7	H23456	B56		6117	51066	50082803	516
622.684-010	AIR-COMPRESSOR MECHANIC	3	3	3	6	L46	I	47.0401	6117	51066	50082803	516
910.367-010	BRAKE COUPLER, ROAD FREIGHT	3	2	3	4	M2346	B6		8233	55A29	62001600	825
910.384-010	TANK-CAR INSPECTOR	3	2	3	4	M2346	O6		8280	51066	50082803	689
910.387-014	RAILROAD-CAR INSPECTOR	3	2	3	5	L346	O		8280	55858	50142202	689
915.687-010	LUBRICATION SERVICER	2	1	1	4	M34	I		8730	55067	61082605	885

Working (environmental) conditions are the physical surroundings of a worker in a specific job.[34] They describe the environment in which the worker is expected to perform.

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[34] Ibid., pp. 331-337.

Environmental conditions are defined in terms of seven factors:

1. Inside, outside or both
2. Cold
3. Hot
4. Wet
5. Noise-vibration
6. Hazards
7. Atmospheric conditions

The Factors

1. Inside, outside or both

(a)	I-Inside:	Protection from weather conditions but not necessarily from temperature changes.
(b)	O-Outside:	No effective protection from weather.
(c)	B-Both:	Inside and outside (in approximately equal amounts).

2. Extreme cold with or without temperature changes

(a)	Extreme Cold:	Temperature sufficiently low to cause marked bodily discomfort.
(b)	Temperature Changes:	Variations in temperature which accompany extreme cold and are sufficiently marked and abrupt to cause noticeable bodily reactions.

3. Extreme heat with or without temperature changes

(a)	Extreme Heat:	Temperature sufficiently high to cause marked bodily discomfort.
(b)	Temperature Changes:	Variations in temperature which accompany extreme heat and are sufficiently marked and abrupt to cause noticeable bodily reactions.

4. Wet and/or humid

(a)	Wet:	Contact with water or other liquids.
(b)	Humid:	Atmospheric conditions with moisture content sufficiently high to cause marked bodily discomfort.

5. Noise and/or vibrations

Sufficient noise, either constant or intermittent, to cause marked distraction or possible injury to the sense of hearing and/or sufficient vibration (production of an oscillating movement or strain on the body or its extremities from repeated motion or shock) to cause bodily harm if endured day after day.

6. Hazards

A situation in which the individual is exposed to the definite risk of bodily injury. This includes a variety of physical hazards such as proximity to moving mechanical parts, electrical shock, working on scaffolding and high places, exposure to burns and radiant energy, exposure to all types of explosives and exposure to toxic chemical and biological agents.

7. Atmospheric conditions (affecting respiratory system or skin)

(a) Fumes: Solid particles generated by condensation from the gaseous state and often accompanied by chemical reaction.

(b) Odors: Noxious nontoxic smells.

(c) Dusts: Solid particles generated by handling, crushing, grinding, rapid impact, detonation, and decrepitation of organic or inorganic materials such as rock, ore, metal, coal, wood and grain. Toxic dusts include those which produce respiratory or dermatological diseases and cancer.

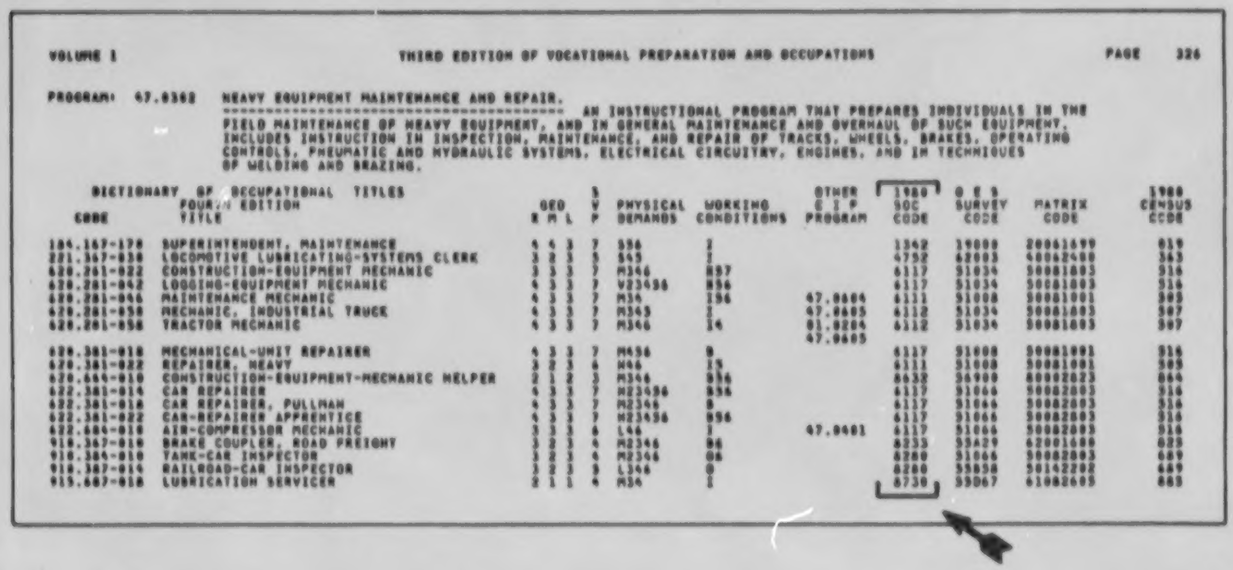
(d) Mists: Suspended liquid droplets generated by condensation from the gaseous to the liquid state or by breaking up a liquid into a dispersed state such as splashing, foaming and atomizing. Includes acid and alkali mists and oil mists.

(e) Gases: Normally formless fluids which occupy the space of an enclosure and which can be changed to the liquid or solid state only by a combined effort of increased pressure and decreased temperature. Carbon monoxide, hydrogen cyanide, oxides of nitrogen and ozone are among the gases of significance as hazards.

(f) Poor Ventilation: Insufficient or excessive movement of air causing a feeling of suffocation or exposure to drafts.

STANDARD OCCUPATIONAL CLASSIFICATION

(SOC) SYSTEM



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PROGRAM: 47.0302 HEAVY EQUIPMENT MAINTENANCE AND REPAIR. AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS IN THE FIELD MAINTENANCE OF HEAVY EQUIPMENT, AND IN GENERAL MAINTENANCE AND OVERHAUL OF SUCH EQUIPMENT. INCLUDES INSTRUCTION IN INSPECTION, MAINTENANCE, AND REPAIR OF TRACKS, WHEELS, BRAKES, OPERATING CONTROLS, PNEUMATIC AND HYDRAULIC SYSTEMS, ELECTRICAL CIRCUITRY, ENGINES, AND IN TECHNIQUES OF WELDING AND BRAZING.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
184.167-170	SUPERINTENDENT, MAINTENANCE	4 4 3	7	S36	I		1342	19008	20061699	019
221.367-038	LOCOMOTIVE LUBRICATING-SYSTEMS CLERK	3 2 3	5	S45	I		4752	62003	40062400	363
620.261-022	CONSTRUCTION-EQUIPMENT MECHANIC	3 3 3	7	M346	N57		6117	51034	50081803	516
620.281-042	LOGGING-EQUIPMENT MECHANIC	4 3 3	7	V23456	N56		6117	51034	50081803	516
620.281-046	MAINTENANCE MECHANIC	4 3 3	7	M36	I56	47.0604	6111	51008	50081001	505
620.281-050	MECHANIC, INDUSTRIAL TRUCK	4 3 3	7	M345	I	47.0605	6112	51034	50081803	507
620.281-058	TRACTOR MECHANIC	4 3 3	7	M346	I4	01.0204 47.0605	6112	51034	50081803	507
620.381-010	MECHANICAL-UNIT REPAIRER	4 3 3	7	M456	O		6117	51008	50081001	516
620.381-022	REPAIRER, HEAVY	3 2 3	6	H46	I5		6111	51008	50081001	505
620.684-010	CONSTRUCTION-EQUIPMENT-MECHANIC HELPER	2 1 2	3	M346	O56		8632	36900	80002823	864
622.381-014	CAR REPAIRER	4 3 3	7	H23456	O56		6117	51066	50082803	516
622.381-018	CAR REPAIRER, PULLMAN	4 3 3	7	M2346	O		6117	51066	50082803	516
622.381-022	CAR-REPAIRER APPRENTICE	4 3 3	7	H23456	O56		6117	51066	50082803	516
622.684-010	AIR-COMPRESSOR MECHANIC	3 3 3	6	L46	I	47.0401	6117	51066	50082803	516
910.367-010	BRAKE COUPLER, ROAD FREIGHT	3 2 3	4	M2346	O6		8233	55429	62001600	825
910.384-010	TANK-CAR INSPECTOR	3 2 3	4	M2346	O6		6280	51066	50082803	689
910.387-014	RAILROAD-CAR INSPECTOR	3 2 3	5	L346	O		6280	55858	50142202	689
915.687-018	LUBRICATION SERVICER	2 1 1	4	M34	I		6730	55067	61082605	885

Background

The Standard Occupational Classification provides a mechanism for cross-referencing and aggregating occupation-related data collected by social and economic statistics reporting programs. The system is designed to maximize the analytical utility of statistics on labor force, employment, income and other occupational data collected for a variety of purposes by various agencies of the United States Government, State agencies, professional associations, labor unions and private research organizations.

The classification covers all occupations in which work is performed for pay or profit, including work performed in family-operated enterprises where direct remuneration may not be made to family members. This classification may be used to classify volunteers, but occupations unique to volunteer settings were not included in this edition. The SOC provides a coding system and nomenclature for identifying and classifying occupations within a framework suitable for use in and out of government.

In developing this classification, the following principles were observed:

1. The classification should realistically reflect the current occupational structure of the United States.

2. An occupation should be classified on the basis of work performed. Skill level, training, education, licensing and credential requirements usually associated with job performance should be considered only when an inaccurate picture of the occupational structure would be presented without such consideration.

3. Place of work (industry) should be considered in classifying an occupation only when the work setting alters the nature of the work sufficiently to warrant separate classification. For example, cooks in private households and commercial settings were classified in different unit groups because the nature of the work is significantly dissimilar in the two work settings.

4. The occupations should be classified in homogeneous groups that can be defined so that the content of each group is well delineated.

5. An occupation that combines two distinct activities should be classified in one group on the basis of the primary activity, the one that accounts for the major portion of the worker's time. However, in cases where one activity requires special skills that are crucial in carrying out the duties of the occupation (although not required for as much time as other activities), that activity should determine the classification of the occupation.

6. Each occupation should be assigned to only one group at the lowest level of the classification system.

7. Large size should not by itself be considered sufficient reason for separate identification of a group.

8. Small size should not be considered sufficient reason for excluding a group from separate identification, although size must be considered or the system could become too large to be useful.

9. Supervisors should be identified separately from the workers they supervise wherever possible in keeping with the real structure of the world of work.

10. Apprentices and trainees should be classified with the occupations for which training is being taken.

11. Helpers should be identified separately when their work is such that they are not in training for the occupation for which they are providing help or if their work is truly different.

12. The need for comparability to International Standard Classification of Occupations should be considered in developing the structure, but it should not be an overriding factor.[35]

STANDARD OCCUPATIONAL CLASSIFICATION MANUAL

6117 Heavy Equipment Mechanics

This unit group includes occupations involving repairing and maintaining the operating condition of mobile mechanical, hydraulic, and pneumatic equipment used in construction, logging, mining, etc. and of railroad rolling stock. Engine mechanics are classified by appropriate propulsion system in unit groups 6111, 6112, 6113, and 6114.

Construction-equipment mechanic	271	620261022
Logging-equipment mechanic	544	620281042
Mechanic, endless track vehicle	154	620381014
Mechanical-unit repairer	154-542	620381018
Car repairer	542	622381014
Car repairer, pullman	751	622381018
Car-repairer apprentice	542	622381022
Mine-car repairer	578	622381030
Air-compressor mechanic	542	622684010
Flatcar whacker	817	807667010

The SOC is structured on a four-level system: division, major group, minor group, and unit group. Each level represents groupings in successively finer detail which enables users to tabulate or analyze data on different levels of aggregation. Residual categories are established, where necessary, at all levels to handle groups of occupations that do not warrant separate identification or do not fit into one of the specific groups. (See Reference E for a listing of SOC codes and associated titles.)

Each group includes a listing of Dictionary of Occupational Titles (DOT), Fourth Edition, codes and titles which are descriptive of the group. Each title is assigned to one group and only to one group. All DOT base titles are included in the classification. Immediately following the title there may be a Roman numeral, e.g., I, II, III; these numbers indicate that there is more than one occupation with the same title and industry designation. The first column of numbers, where there are two columns of numbers, is the code for the industry designation that is used in the DOT to designate the "kind of industry or industries" where the job is found. Appendix A in the SOC Manual contains a complete listing of DOT industry designations and codes. One to four sets of these three-digit industry numbers may be assigned to the title. When an occupation is found in a large number of industries, a cross-industry designation, e.g., clerical, professional and kindred, is assigned to the occupation. The last column contains the nine-digit code associated with the title. These titles and codes are explained in the Dictionary of Occupational Titles, Fourth Edition, and on pages 35 through 39 of this publication.

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[35] U.S. Department of Commerce, Office of Federal Statistical Policy and Standards, Standard Occupational Classification Manual (Washington: U.S. Government Printing Office, October 1980), pp. 8-9.

Selected occupational codes from the 1970 Census of Population Classified Index of Industries and Occupations also are included in the groups. The Census codes, which are the titles written with a single three-digit number in a column near the center of the page, were added to provide additional information about the content of these groups. However, it should be noted that the linkages in the VPO are to occupational categories utilized in the 1980 Census of Population as shown in Reference H.

Data Uses, Limitations or Issues

Federal government agencies will be required to use the SOC wherever it is appropriate for collecting occupational data, planning occupational education and training programs, identifying areas of occupational research and analysis, planning and placement services, studying the mobility of workers and related activities dealing with occupational statistics. State and local government, business and labor organizations and research groups are encouraged to use it for statistical purposes. Where the SOC detail is not sufficient for a specific use, subclasses should be developed that are compatible. Where conceptual compatibility cannot be maintained without causing program difficulties, cross-references should be made to the extent feasible.

New or unique occupations that are not described or listed in the SOC should be classified in the group to which they are most similar.

The system allows the tabulation of data from different data unit groups for special purposes. For example, college and university teachers are classified by subject matter taught, which allows teachers to be combined with subject matter specialists, i.e., college chemistry teachers and chemists.

Public formats of occupational data should follow this structure for major tabular presentations but recombinations such as those mentioned above are encouraged for supplemental analysis.

For some presentations, especially of cross-tabulation data, a very abbreviated set of occupational classes may be needed. In order to provide for standardization of such abbreviated or aggregated groups, the following groups are suggested:

1. Administrative, engineering, scientific, teaching and related occupations including creative artists (Major Groups 10-34);

2. Technical, clerical, sales and related occupations (Major Groups 36-48);

3. Service occupations, including military occupations (Major Groups 50-53 and 91);

4. Farming, forestry, fishing and hunting occupations (Major Groups 55-58);

5. Precision production, craft and repair occupations (Major Groups 60-69);

6. Operators, fabricators and laborers (Major Groups 71-87).

OCCUPATIONAL EMPLOYMENT STATISTICS (OES) PROGRAM

Background

The Occupational Employment Statistics (OES) program is a Federal-State cooperative program designed to produce national, State and area data on current and projected occupational employment for use in planning vocational education and training programs and in career guidance. It provides a consistent conceptual and methodological approach to the development of State and local data by the State Employment Security agencies in cooperation with the Bureau of Labor Statistics and the Employment and Training Administration. The Bureau of Labor Statistics develops the national OES data. The OES program has been adopted by NOICC as the standard principal source for current and projected occupational employment data for use in an occupational information system.

In most States and for the Nation, information on current occupational employment is from the Occupational Employment Statistics (OES) survey of employers and from an industry-occupation matrix system based on the OES survey. The OES survey and the matrix are described below.

The OES Survey

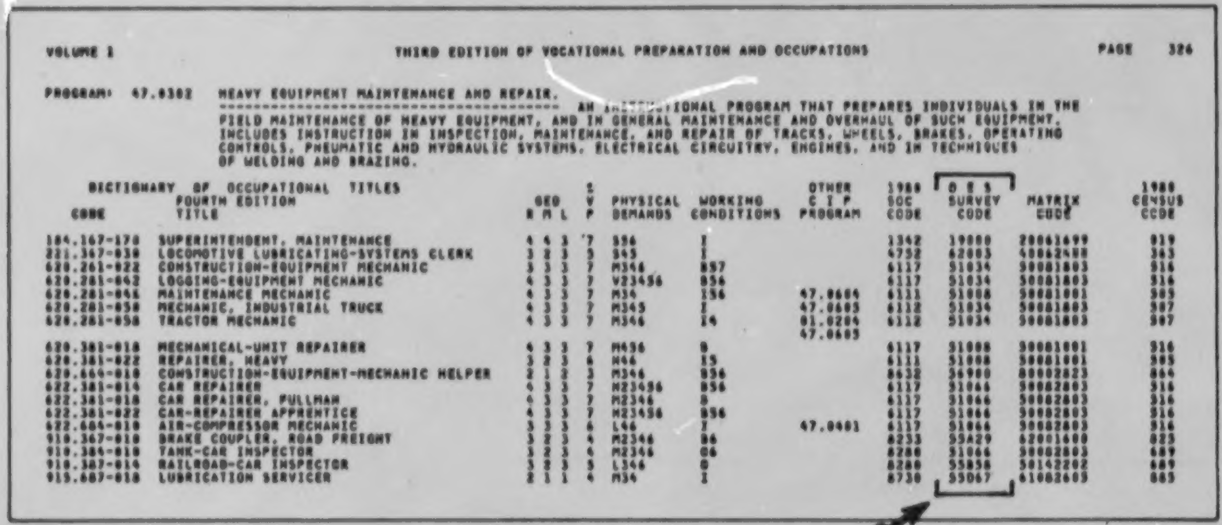
The OES survey collects data on current employment by occupation and industry for non-farm wage and salary workers. The survey is a Federal-State cooperative program begun in 1970; as of the spring of 1982, the District of Columbia and all States except California, Rhode Island and Vermont were conducting the survey. The survey provides data for approximately 1,700 occupations by detailed industry category for the Nation, States and a limited number of Standard Metropolitan Statistical Areas. Several States are beginning to implement methods of producing sub-State area data from Statewide survey files.

The OES survey operates on a three-year cycle, with each year's survey covering a different sector of the economy. The OES survey occupations included in this edition of the VPO are from three regular OES surveys: the 1979 survey of wholesale and retail trade, transportation except railroads, communications and public utilities; the 1980 survey of manufacturing industries and hospitals; and the 1981 survey of State and local government and nonmanufacturing industries not included in the 1979 survey. In addition to these regular surveys, this edition includes codes from the 1976 survey of railroads, the 1978 survey of education and codes for Federal government workers.

Taken together, the OES surveys listed above provide data for all wage and salary workers in the nonagricultural sectors of the economy. The OES survey program does not provide data on workers in the agriculture, forestry and fishing industries, or on the self-employed, unpaid family workers or private household workers. Research is presently underway to expand the OES survey to cover the agriculture sector.

The OES survey uses a questionnaire containing a list of occupations specially designed for each industry or for a group of industries being surveyed that, in general, employ the same kinds of occupations in all categories, e.g., professional, clerical, etc. The survey collects data for a specific reference week, typically in the spring of the year. Questionnaires are mailed to a randomly selected sample of employers. The sample of employers is distributed (stratified) according to the employer's industry and level of employment; all large employers are included in this sample. Telephone follow-ups and personal interviews are conducted with those employers whose responses are considered critical. Estimates of current occupational employment are generally produced for industry and employment size categories similar to those used in the sample. These estimates are then adjusted to the level of total employment in the State or area being surveyed.

OES SURVEY OCCUPATIONAL CLASSIFICATION



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PROGRAM: 47.0302   HEAVY EQUIPMENT MAINTENANCE AND REPAIR.
                   ---------------------------------------  AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS IN THE
                   FIELD MAINTENANCE OF HEAVY EQUIPMENT, AND IN GENERAL MAINTENANCE AND OVERHAUL OF SUCH EQUIPMENT.
                   INCLUDES INSTRUCTION IN INSPECTION, MAINTENANCE, AND REPAIR OF TRACKS, WHEELS, BRAKES, OPERATING
                   CONTROLS, PNEUMATIC AND HYDRAULIC SYSTEMS, ELECTRICAL CIRCUITRY, ENGINES, AND IN TECHNIQUES
                   OF WELDING AND BRAZING.

     DICTIONARY  OF  OCCUPATIONAL  TITLES                 S                                  OTHER    1980    O E S               1980
                FOURTH EDITION                      GED   V  PHYSICAL   WORKING              C I P    SOC    SURVEY   MATRIX    CENSUS
   CODE         TITLE                              R M L  P  DEMANDS    CONDITIONS          PROGRAM   CODE    CODE     CODE      CODE

184.167-170  SUPERINTENDENT, MAINTENANCE           4 4 3 '7  S56        I                              1342   19000   20061499    019
221.367-030  LOCOMOTIVE LUBRICATING-SYSTEMS CLERK  3 2 3  5  S45        I                              4752   62003   40062400    363
620.261-022  CONSTRUCTION-EQUIPMENT MECHANIC       3 3 3  7  M346       B57                            6117   51034   50081803    516
620.281-042  LOGGING-EQUIPMENT MECHANIC            4 3 3  7  V23456     B56                            6117   51034   50081803    516
620.281-046  MAINTENANCE MECHANIC                  4 3 3  7  M34        I56                 47.0604    6111   51008   50081001    505
620.281-050  MECHANIC, INDUSTRIAL TRUCK            4 3 3  7  M345       I                   47.0603    6112   51034   50081803    507
620.281-058  TRACTOR MECHANIC                      4 3 3  7  M346       I4                  01.0204    6112   51034   50081803    507
                                                                                            47.0603
620.381-018  MECHANICAL-UNIT REPAIRER              4 3 3  7  M456       B                              6117   51008   50081001    516
620.381-022  REPAIRER, HEAVY                       3 2 3  6  H46        I5                             6111   51008   50081001    505
620.664-010  CONSTRUCTION-EQUIPMENT-MECHANIC HELPER 2 1 2 3  M346       B56                            8632   36900   80002823    864
622.381-014  CAR REPAIRER                          4 3 3  7  H23456     B56                            6117   51066   50082803    516
622.381-018  CAR REPAIRER, PULLMAN                 4 3 3  7  M2346      B                              6117   51066   50082803    516
622.381-022  CAR-REPAIRER APPRENTICE               4 3 3  7  H23456     B56                            6117   51066   50082803    516
622.684-010  AIR-COMPRESSOR MECHANIC               3 3 3  6  L46        I                   47.0401    6117   51066   50082803    516
910.367-010  BRAKE COUPLER, ROAD FREIGHT           3 2 3  4  M2346      B6                             8233   55A29   62001600    823
910.384-010  TANK-CAR INSPECTOR                    3 2 3  4  M2346      O6                             8280   51066   50082803    689
910.387-014  RAILROAD-CAR INSPECTOR                3 2 3  5  L346       O                              8280   55856   50142202    689
915.687-018  LUBRICATION SERVICER                  2 1 1  4  M34        I                              8730   55D67   61082605    885
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Each occupational category in the OES survey is assigned a unique title, definition and five-digit code. The five-digit coding system for the OES survey occupational categories is structured into major and minor groups. The major and minor groups to which an occupation belongs are represented in the first, second and sometimes the third digits of the code. The first digit identifies the major group, i.e., 10000 is Managers and Officers, 20000 is Professional Workers, etc. The second and third digits identify intermediate and minor groups, i.e., 22000 is Natural and Mathematical Scientists and 22100 is Mathematical Scientists. Codes are generally numerical, although some alphanumeric codes are used. A full list of the major and minor group codes is presented in Table 1 on pages 61-62; a full list of the OES survey occupation codes and titles utilized in this publication is shown in Reference F.

Table 1: SUMMARY OF OES SURVEY OCCUPATIONAL GROUPS CODING STRUCTURE

10000 Managers and Officers
(19000 All Other Managers and Officers)
20000 Professional Workers

21000 Engineers
(21900 All Other Engineers)
22000 Natural and Mathematical Scientists

22100 Mathematical Scientists
(22199 All Other Mathematical Scientists)
22200 Physical Scientists
(22299 All Other Physical Scientists)
22300 Life Scientists
(22399 All Other Life Scientists)

23000 Social Scientists
(23900 All Other Social Scientists)
24000 Systems Analysts
25000 Other Professionals

25100 Teachers
(25199 All Other Teachers)
25200 Photographers
(25299 All Other Photographers)
25300 to 25500 Miscellaneous Other Professionals

(29000 All Other Professional Workers)

30000 Technicians

31000 Computer Programmers
32000 Engineering Technicians
(32900 All Other Engineering Technicians)
33000 Science Technicians
(33900 All Other Science Technicians)
34000 Other Technicians
35000 Medical and Dental Technologists and Technicians
(All Other Medical and Dental Technologists and Technicians)

(39000 All Other Technicians)

40000 Service Workers

41000 Janitors, Porters and Cleaners
42000 Guards and Doorkeepers
(42900 All Other Guards and Doorkeepers)
43000 Food Service Workers
(43900 All Other Food Service Workers)
44000 Other Service Workers

44500 Police/Fire Related Workers

(49000 All Other Service Workers)

TABLE 1 (continued)

- 50000 Production, Maintenance, Construction, Repair, Material Handling and Powerplant Workers
    - 51000 Mechanics and Repairers
        (51900 All Other Mechanics and Repairers)
    - 52000 Darkroom Workers
        (52900 All Other Darkroom Workers)
    - 53000 Laundry and Drycleaning Occupations
    - 54000 Truck Drivers
    - 55000, 57000 and 58000 Other Production, Maintenance, Construction, Repair, Material Handling and Powerplant Workers
    - 55U00 Assembler
        (55U99 All Other Assemblers)
        *Note: The code 55E22 has been used previously for Assemblers
    - 56000 Helper, Trades
        *Note: The code 55B87 is used for Helper, Trades when a detailed breakout of Helpers is not used.

    (59001 All Other Skilled Craft and Kindred Workers)
    (59002 All Other Operatives and Semiskilled Workers)
    (59003 All Other Laborers and Unskilled Workers)

- 60000 Clerical Occupations
    - 61000 Office Clerical Occupations
        - 61100 Office Machine Operators
            (61199 All Other Office Machine Operators)
        - 61200 to 61400 Other Office Clerical Occupations

        (61900 All Other Office Clerical Workers)
    - 62000 Plant Clerical Occupations
        (62900 All Other Plant Clerical Workers)

- 70000 Sales Occupations
    - 71000 Sales Representatives
        (71900 All Other Sales Agents, Sales Associates, and/or Sales Representatives)
    - 72000 Sales Clerks and Other Sales Related Occupations

    (79000 All Other Sales Workers)

RESIDUAL CATEGORIES are shown in parentheses. The appropriate residual for categories, where no residual is shown, is the primary group residual category. For example: The appropriate residual category for codes within the 34 group, Other Technicians, is 39000, All Other Technicians.

Before each year's survey, the occupational categories and questionnaires are reviewed and updated as necessary. The OES survey codes, however, are unique and the scope (coverage) of employment and the related titles and definitions are fixed. New codes are assigned to any occupational category in which the scope of employment is considered to be significantly different from previously used codes. New definitions also are prepared.

The OES Survey Dictionary, available from the Bureau of Labor Statistics or cooperating State Employment Security agencies, is a compendium of all current OES survey occupational titles, definitions and codes. A revised OES Survey Dictionary is issued each year to include the most recent changes in the codes, titles and definitions. The Dictionary dated 1981 shows the occupational categories included in this edition of the VPO.

The OES survey occupations initially were developed using the Third Edition of the Dictionary of Occupational Titles (DOT). The occupational categories have been updated and revised by survey experience and use of the Fourth Edition of the DOT (described on pages 35 through 39). Because the DOT was used in the development of the OES survey occupations, the survey occupations can be related to the nine-digit DOT codes.

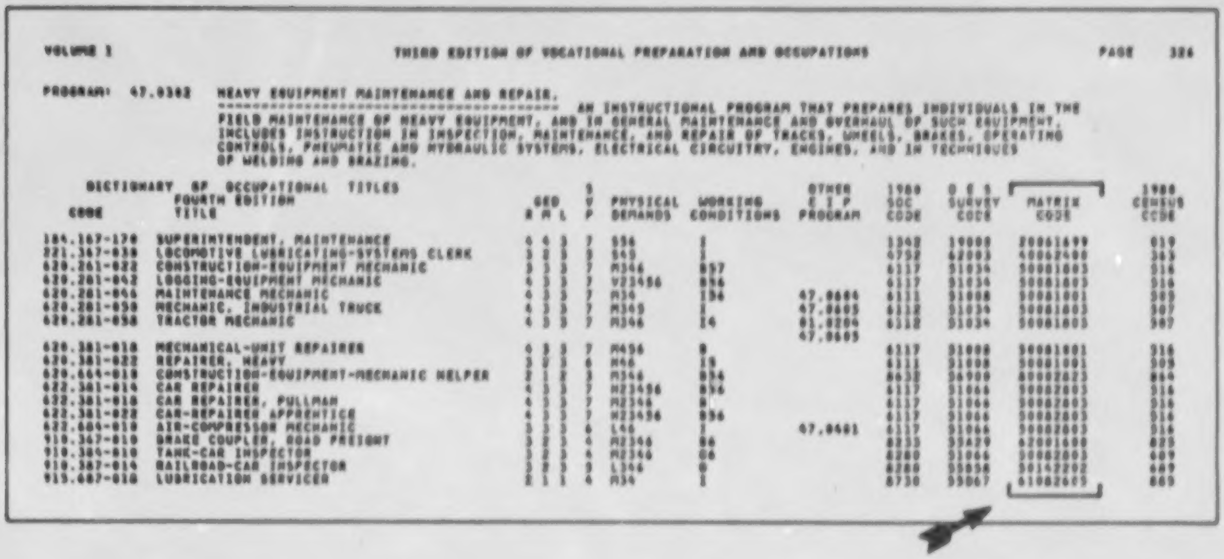
Since the OES survey provides data on occupational employment by industry, the OES occupational categories can be related to the industry codes of the Standard Industrial Classification (SIC) Manual. The SIC classifies industries according to economic activity, such as agriculture, mining, manufacturing and services. The SIC provides a single industrial classification for use in Federal statistical programs and for other purposes. The SIC Manual is developed and issued by the Office of Management and Budget. Reference I shows a list of the industry codes and titles from the 1972 Edition of the SIC Manual.

Industry-Occupation Matrix System

The industry-occupation matrix is a tabulation of employment data cross-classified by industry and occupation. The data are arranged in the form of a grid or matrix, which is divided into columns and rows. The columns of the matrix show the industries of employment and the rows show the occupations of employment. By reading down any column, the user can determine the distribution of employment by occupation within an industry. Similarly, by reading across any row, the user can determine the distribution of employment by industry within an occupation.

As mentioned earlier in this section, the industry-occupation matrix system of the Occupational Employment Statistics program is based on the OES survey data, supplemented by data from the 1970 Census of Population and the Current Population Survey for those sectors of the labor force not covered by the OES survey: agriculture, forestry and fishing, the self-employed, unpaid family workers and private household workers. Census and Current Population Survey data also are used to supplement survey data for certain occupations. The matrix has its own set of occupation codes and titles that are different in detail from the OES survey occupation codes.[36]

SURVEY-BASED MATRIX SYSTEM



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PROGRAM: 47.0302 HEAVY EQUIPMENT MAINTENANCE AND REPAIR. AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS IN THE FIELD MAINTENANCE OF HEAVY EQUIPMENT, AND IN GENERAL MAINTENANCE AND OVERHAUL OF SUCH EQUIPMENT. INCLUDES INSTRUCTION IN INSPECTION, MAINTENANCE, AND REPAIR OF TRACKS, WHEELS, BRAKES, OPERATING CONTROLS, PNEUMATIC AND HYDRAULIC SYSTEMS, ELECTRICAL CIRCUITRY, ENGINES, AND IN TECHNIQUES OF WELDING AND BRAZING.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
184.167-170	SUPERINTENDENT, MAINTENANCE	4 4 3	7	S56	I		1342	19005	20061499	019
221.367-038	LOCOMOTIVE LUBRICATING-SYSTEMS CLERK	3 2 3	5	S45	I		4752	62003	40062400	383
620.261-022	CONSTRUCTION-EQUIPMENT MECHANIC	3 3 3	7	M346	B57		6117	51034	50081003	516
620.281-042	LOGGING-EQUIPMENT MECHANIC	4 3 3	7	V23456	B56		6117	51034	50081003	516
620.281-046	MAINTENANCE MECHANIC	4 3 3	7	M36	I56	47.0606	6111	51008	50081001	505
620.281-050	MECHANIC, INDUSTRIAL TRUCK	4 3 3	7	M365	I	47.0603	6112	51034	50081003	507
620.281-058	TRACTOR MECHANIC	4 3 3	7	M346	I6	01.0204 47.0605	6112	51034	50081003	507
620.381-010	MECHANICAL-UNIT REPAIRER	4 3 3	7	M456	B		6117	51008	50081001	516
620.381-022	REPAIRER, HEAVY	3 2 3	6	M46	I5		6111	51008	50081001	505
620.664-010	CONSTRUCTION-EQUIPMENT-MECHANIC HELPER	2 1 2	3	M346	B56		8632	56908	80082623	864
622.381-014	CAR REPAIRER	4 3 3	7	M23456	B56		6117	51066	50082003	516
622.381-018	CAR REPAIRER, PULLMAN	4 3 3	7	M2346	B		6117	51066	50082003	516
622.381-022	CAR-REPAIRER APPRENTICE	4 3 3	7	M23456	B56		6117	51066	50082003	516
622.684-010	AIR-COMPRESSOR MECHANIC	3 3 3	6	L46	I	47.0401	6117	51066	50082003	516
910.367-010	BRAKE COUPLER, ROAD FREIGHT	3 2 3	4	M2346	B6		8233	33429	62001600	825
910.384-010	TANK-CAR INSPECTOR	3 2 3	4	M2346	O6		6280	51066	50082003	689
910.387-014	RAILROAD-CAR INSPECTOR	3 2 3	3	L346	O		6280	55858	50142202	689
915.687-018	LUBRICATION SERVICER	2 1 1	4	M34	I		8730	55067	61082605	885

As indicated earlier, the OES survey does not cover some sectors of the economy. Data for these sectors in the matrix are based on the 1970 Census of Population. The survey-based matrix occupation categories presented in this edition of the VPO are for the matrix based on the OES survey conducted from 1979 through 1981, including 1574 occupation titles and codes.

The survey-based matrix uses an eight-digit occupational coding structure with the occupations arranged in groups similar to those used in the 1970 Census. The matrix categories were derived by assigning each OES survey occupation to a category based on analysis of the OES survey occupational definition, the Census classification, the industries in which the occupation appears in the OES and the Census, information on apprenticeship and other factors. To aid in grouping the long lists of machine operative occupations in the OES survey, the matrix was designed to include 14 groups of machine operatives, 12 of which are industry specific and two of which are general. In addition, there are three groups of more general operative occupations grouped according to type of industry--durable goods manufacturing, nondurable goods manufacturing, and nonmanufacturing.

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[36] In earlier years, the OES program included an industry-occupation matrix based on data from the 1970 Census of Population. This matrix is discussed on page 76 of the 1980 Edition of the VPO. The 1970 Census and Census-based matrix codes are included on the master VPO tapes (see Introduction, pages 8 and 9).

Once the structure of the survey-based matrix was completed, each matrix occupation was assigned an eight-digit code and a title. The first two digits of the code indicate the broad occupational category, such as 10000000, Professional and 20000000, Managerial. The third and fourth digits indicate subdivisions of the major group, such as 10020000, Engineers, and 10040000, Life and Physical Scientists. The fifth and sixth digits indicate a summary level title comparable to the 1970 Census category such as 10040600, Life Scientists. The seventh and eighth digits indicate the most specific matrix occupation category, such as 10040601, Biological Scientists. The full list of survey-based matrix occupation titles and codes and their related OES survey occupations is shown in Reference G.

Because the survey-based matrix is based on the OES survey, the occupational codes and titles used in the matrix can be related to OES survey codes and titles, which in turn are related to the *Dictionary of Occupational Titles* codes. Reference G shows a conversion from the survey-based matrix to the OES survey codes, in order by matrix code. Reference F shows the matrix code related to each survey code in order by survey code. These references are based on the Directory developed by the Bureau of Labor Statistics; the Directory is designed as part of the matrix computer processing system and relates the OES survey codes to matrix occupation codes and titles. The Directory is a parameter file indicating to the computer how to treat the data in the survey code file.

As noted earlier, the matrix arrays data by occupation and industry. It is possible, therefore, to use the matrix to identify the industries in which each occupational category occurs and the number employed in that occupational category in each industry. The matrix uses a six-digit industry coding scheme, with the first two digits indicating the industry division and group-400000 is Manufacturing, 410000 is Durable Goods Manufacturing. The third, fourth and fifth digits correspond to the Standard Industrial Classification (SIC) code of the industry at the two or three-digit level of the SIC--412400 is Lumber and Wood Products (SIC 24) and 412410 is Logging (SIC 241). The sixth digit of the matrix industry code is always a zero. The SIC codes embedded in the matrix industry codes are the same as those shown in Reference I.

CENSUS OCCUPATIONAL CLASSIFICATION SYSTEM

Background

The Census of Population is a complete count for the population of the United States and its territories that has been taken every ten years since 1790. Recent Censuses have collected characteristics such as age, sex and race on a 100 percent basis and more detailed information from a sample of the population.

The 1970 Census of Population made use of three types of questionnaires. One, distributed to 80 percent of the households within the country, did not contain any labor force information. The remaining 20 percent of the households, split into 5-percent and 15-percent samples, were asked additional questions regarding the social and economic characteristics of their members. Questions dealing with occupation and industry of employment were included in both the 5-percent and 15-percent samples. These responses were classified into 441 occupational categories and 221 industrial categories. The list of these occupational categories is shown on pages X-XIV of either the 1970 Census of Population Alphabetical or Classified Index of Industries and Occupations.[37]

The 1980 Census of Population used two questionnaires. The industry and occupation questions were in the sample questionnaires asked of one in six households for most areas, but in every second household in places with a population of 2,500 or less eligible for federal revenue sharing. The responses will be classified into 231 industrial categories and 503 occupational categories. The 1980 occupational categories were developed from the Standard Occupational Classification System (SOC) and are presented in the introduction to either the 1980 Census of Population Alphabetical or Classified Index of Industries and Occupations.[38]

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[37] U.S. Bureau of the Census, 1970 Census of Population Alphabetical Index of Industries and Occupations (Washington: U.S. Government Printing Office, 1971).

U.S. Bureau of the Census, 1970 Census of Population Classified Index of Industries and Occupations (Washington: U.S. Government Printing Office, 1971).

[38] U.S. Bureau of the Census, 1980 Census of Population Alphabetical Index of Industries and Occupations, Second Edition (Washington: U.S. Government Printing Office, 1981).

U.S. Bureau of the Census, 1980 Census of Population: Classified Index of Industries and Occupations (Washington: U.S. Government Printing Office, 1980).

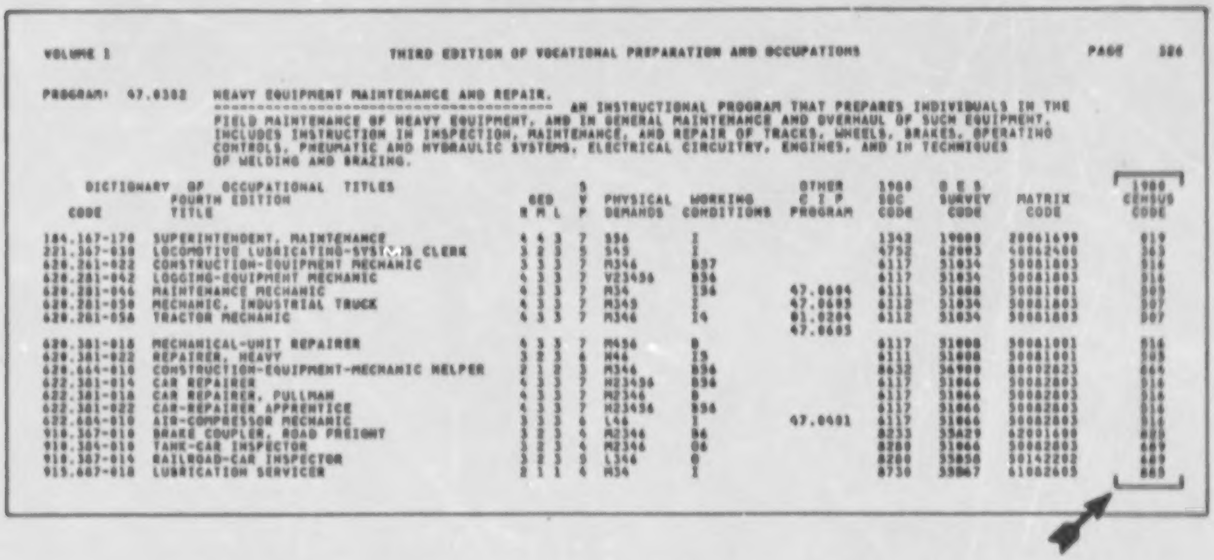
The 1980 Census data are currently being processed. A preliminary report was issued in early 1982. Final reports containing occupational data will be issued in 1983.

The 1980 data will be presented in a number of published reports and special tabulations. The Volume I series, Characteristics of the Population, will consist of 57 parts. These will be a U.S. Summary, one for each State, the District of Columbia and the various outlying areas.

Chapters C and D of Volume I will contain data on industries and occupations as well as data from other sample questions. More detailed industrial and occupational data for the Nation will be presented in the Volume II series, Subject Reports. This series will include the report, "Occupation by Industry," which cross-classifies the 503 detailed occupations by the 231 industries. In addition, the series will include the report titled, "Occupational Characteristics."

The 1980 Census Equal Employment Opportunity Special File is now available on a data tape. It has detailed occupational information by sex and by race for States, counties, places of 50,000 or more, and Standard Metropolitan Statistical Areas. It will be issued in microfiche in the spring of 1983, and a U.S. Summary will be published later in the year.

CENSUS OCCUPATIONAL CLASSIFICATION STRUCTURE



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PROGRAM: 47.0302   HEAVY EQUIPMENT MAINTENANCE AND REPAIR. AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS IN THE FIELD MAINTENANCE OF HEAVY EQUIPMENT, AND IN GENERAL MAINTENANCE AND OVERHAUL OF SUCH EQUIPMENT. INCLUDES INSTRUCTION IN INSPECTION, MAINTENANCE, AND REPAIR OF TRACKS, WHEELS, BRAKES, OPERATING CONTROLS, PNEUMATIC AND HYDRAULIC SYSTEMS, ELECTRICAL CIRCUITRY, ENGINES, AND IN TECHNIQUES OF WELDING AND BRAZING.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
184.167-170	SUPERINTENDENT, MAINTENANCE	4	4	3	7	S36	I		1342	19008	20061699	019
221.367-030	LOCOMOTIVE LUBRICATING-SYSTEMS CLERK	3	2	3	5	S45	I		4752	62093	40062400	363
620.261-022	CONSTRUCTION-EQUIPMENT MECHANIC	3	3	3	7	M346	B57		6117	31034	30081803	516
620.281-042	LOGGING-EQUIPMENT MECHANIC	4	3	3	7	V23456	B56		6117	31034	30081803	516
620.281-046	MAINTENANCE MECHANIC	4	3	3	7	M34	I56	47.0604	6111	31008	30081001	505
620.281-050	MECHANIC, INDUSTRIAL TRUCK	4	3	3	7	M345	I	47.0605	6112	31034	30081803	507
620.281-058	TRACTOR MECHANIC	4	3	3	7	M346	I4	01.0204 47.0605	6112	31034	30081803	507
620.381-018	MECHANICAL-UNIT REPAIRER	4	3	3	7	M456	B		6117	31008	30081001	516
620.381-022	REPAIRER, HEAVY	3	2	3	6	H46	I5		6111	31008	30081001	505
620.664-010	CONSTRUCTION-EQUIPMENT-MECHANIC HELPER	2	1	2	3	M346	B56		8632	36908	80002823	664
622.381-014	CAR REPAIRER	4	3	3	7	H23456	B56		6117	31066	30082803	516
622.381-018	CAR REPAIRER, PULLMAN	4	3	3	7	M2346	B		6117	31066	30082803	516
622.381-022	CAR-REPAIRER APPRENTICE	4	3	3	7	H23456	B56		6117	31066	30082803	516
622.684-010	AIR-COMPRESSOR MECHANIC	3	3	3	6	L46	I	47.0401	6117	31066	30082803	516
910.367-010	BRAKE COUPLER, ROAD FREIGHT	3	2	3	4	M2346	B6		8233	35629	62001600	689
910.384-010	TANK-CAR INSPECTOR	3	2	3	4	M2346	O6		8200	31066	30082803	689
910.387-014	RAILROAD-CAR INSPECTOR	3	2	3	5	L346	O		8200	33058	30142202	689
915.687-018	LUBRICATION SERVICER	2	1	1	4	M34	I		8730	33067	61082603	885

In the Census classification, each of the 503 occupational categories is assigned a three-digit code. These categories are arranged into six summary groups and 13 major groups. They are identified in the table on page 69.

Table 2: 1980 CENSUS SUMMARY AND MAJOR OCCUPATIONAL GROUP CODES

Summary and Major Occupational Groups	Census Codes (Ranges)	Standard Occupational Codes (Ranges)
Managerial and professional specialty occupations		
Executive, administrative and managerial occupations	003-037	11-14
Professional specialty occupations	043-199	16-34
Technical, sales and administrative support occupations		
Technicians and related support occupations	203-235	36-39, 825
Sales occupations	243-285	40-44
Administrative support occupations, including clerical	303-389	45-47
Service occupations		
Private household occupations	403-407	50
Protective service occupations	413-427	51
Service occupations, except protective and household	433-469	52
Farming, forestry, and fishing occupations	473-499	55-58
Precision production, craft, and repair occupations	503-699	60-69, 71
Operators, fabricators, and laborers		
Machine operators, assemblers, and inspectors	703-799	73-78
Transportation and material moving occupations	803-859	81-83 except 825
Handlers, equipment cleaners, helpers, and laborers	863-889	85-87

The Classified Index of Industries and Occupations, published by the Bureau of the Census, lists the individual occupational titles for each of the coded categories identified by the Census Occupational Classification System.

Data Uses, Limitations or Issues

This system is important with respect to labor market information because it provides the basis for a matrix approach to demand projections when OES survey data are not available. The matrices are used to display both current and projected employment for a five-year period.

These projections are prepared using statistical and analytical methods developed by the Bureau of Labor Statistics (BLS). The Census also provides data on occupational employment levels and can be used in an analysis of the impact of occupational and geographic mobility on replacement demand.

The Census system provides extensive detail on characteristics of persons working in a special occupation. It is also the most comprehensive source of demographic data on the population of the United States.

In the past, the Census classification has been criticized for not providing definitions. With the 1980 system, the SOC will satisfy user needs for definitions. In addition to the definitions in the SOC Manual, users can use the Dictionary of Occupational Titles (DOT) definitions for the DOT titles listed in a SOC category.

The 1980 Census Occupational Classification continued the trend of increasing the detail shown. The 503 categories compare to 441 in 1970 and 296 in 1960.

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REFERENCE A

Vocational-Technical Education Program Codes and Titles from A Classification of Instructional Programs (CIP)

This reference contains the codes and titles from the United States Department of Education classification system contained in the Classification of Instructional Programs (CIP) that have been designated for vocational-technical education. A complete description of the CIP may be found on pages 31 through 33 of this publication.

For the most part, the instructional programs have been assigned to major program areas as shown in Appendix D of the CIP. However, during the development of the VPO, certain changes were recommended regarding this Appendix. The changes have been incorporated in this listing and are identified on pages 10 and 11 of the Introduction. The word "part" in parentheses indicates that only a portion of this CIP category was pertinent to the major program area to which it is assigned.

REFERENCE A

VOCATIONAL-TECHNICAL EDUCATION PROGRAM CODES AND TITLES FROM 'A CLASSIFICATION OF INSTRUCTIONAL PROGRAMS' (CIP)

AGRICULTURE/AGRIBUSINESS AND NATURAL RESOURCES EDUCATION

01. AGRIBUSINESS AND AGRICULTURAL PRODUCTION. (PART)

01.01 AGRICULTURAL BUSINESS AND MANAGEMENT. (PART)
  01.0101 AGRICULTURAL BUSINESS AND MANAGEMENT, GENERAL.
  01.0104 FARM AND RANCH MANAGEMENT.

01.02 AGRICULTURAL MECHANICS.
  01.0201 AGRICULTURAL MECHANICS, GENERAL.
  01.0202 AGRICULTURAL ELECTRIFICATION, POWER, AND CONTROLS.
  01.0203 AGRICULTURAL MECHANICS, CONSTRUCTION, AND MAINTENANC
  01.0204 AGRICULTURAL POWER MACHINERY.
  01.0205 AGRICULTURAL STRUCTURES, EQUIPMENT, AND FACILITIES.
  01.0206 SOIL AND WATER MECHANICAL PRACTICES.
  01.0299 AGRICULTURAL MECHANICS, OTHER.

01.03 AGRICULTURAL PRODUCTION.
  01.0301 AGRICULTURAL PRODUCTION, GENERAL.
  01.0302 ANIMAL PRODUCTION.
  01.0303 AQUACULTURE.
  01.0304 CROP PRODUCTION.
  01.0305 GAME FARM MANAGEMENT.
  01.0399 AGRICULTURAL PRODUCTION, OTHER.

01.04 AGRICULTURAL PRODUCTS AND PROCESSING.
  01.0401 AGRICULTURAL PRODUCTS AND PROCESSING, GENERAL.
  01.0402 FOOD PRODUCTS.
  01.0403 NONFOOD PRODUCTS.
  01.0499 AGRICULTURAL PRODUCTS AND PROCESSING, OTHER.

01.05 AGRICULTURAL SERVICES AND SUPPLIES.
  01.0501 AGRICULTURAL SERVICES AND SUPPLIES, GENERAL.
  01.0502 AGRICULTURAL SERVICES.
  01.0503 AGRICULTURAL SUPPLIES MARKETING.
  01.0504 ANIMAL GROOMING.
  01.0505 ANIMAL TRAINING.
  01.0506 HORSESHOEING.
  01.0599 AGRICULTURAL SERVICES AND SUPPLIES, OTHER.

01.06 HORTICULTURE.
  01.0601 HORTICULTURE, GENERAL.
  01.0602 ARBORICULTURE.
  01.0603 FLORICULTURE.
  01.0604 GREENHOUSE OPERATION AND MANAGEMENT.
  01.0605 LANDSCAPING.
  01.0606 NURSERY OPERATION AND MANAGEMENT.
  01.0607 TURF MANAGEMENT.
  01.0699 HORTICULTURE, OTHER.

01.99 AGRIBUSINESS AND AGRICULTURAL PRODUCTION, OTHER
  01.9999 AGRIBUSINESS AND AGRICULTURAL PRODUCTION, OTHER.

02. AGRICULTURAL SCIENCES (PART)

02.02 ANIMAL SCIENCES.
  02.0201 ANIMAL SCIENCES, GENERAL.
  02.0202 ANIMAL BREEDING AND GENETICS.
  02.0203 ANIMAL HEALTH.
  02.0204 ANIMAL NUTRITION.
  02.0205 ANIMAL PHYSIOLOGY.
  02.0206 DAIRY.
  02.0207 FISHERIES SCIENCE.
  02.0208 LIVESTOCK.
  02.0209 POULTRY.
  02.0299 ANIMAL SCIENCES, OTHER.

02.03 FOOD SCIENCES. (PART)
  02.0302 DAIRY PROCESSING.
  02.0399 FOOD SCIENCES, OTHER.

- 02.04 PLANT SCIENCES. (PART)
  - 02.0401 PLANT SCIENCES, GENERAL.
  - 02.0402 AGRONOMY.
  - 02.0403 HORTICULTURE SCIENCE.
  - 02.0404 ORNAMENTAL HORTICULTURE.
  - 02.0408 PLANT PROTECTION (PEST MANAGEMENT).
  - 02.0409 RANGE MANAGEMENT.
  - 02.0410 TURF MANAGEMENT SCIENCE.
  - 02.0499 PLANT SCIENCES, OTHER.

- 02.05 SOIL SCIENCES. (PART)
  - 02.0503 SOIL CONSERVATION.
  - 02.0504 SOIL MANAGEMENT AND FERTILITY.

03. RENEWABLE NATURAL RESOURCES. (PART)

- 03.01 RENEWABLE NATURAL RESOURCES, GENERAL.
  - 03.0101 RENEWABLE NATURAL RESOURCES, GENERAL.

- 03.02 CONSERVATION AND REGULATION.
  - 03.0201 CONSERVATION AND REGULATION, GENERAL.
  - 03.0202 CONSERVATION.
  - 03.0203 RESOURCES PROTECTION AND REGULATION.
  - 03.0299 CONSERVATION AND REGULATION, OTHER.

- 03.03 FISHING AND FISHERIES.
  - 03.0301 FISHING AND FISHERIES, GENERAL.
  - 03.0302 FISHERIES.
  - 03.0399 FISHING AND FISHERIES, OTHER.

- 03.04 FORESTRY PRODUCTION AND PROCESSING. (PART)
  - 03.0401 FORESTRY PRODUCTION AND PROCESSING, GENERAL.
  - 03.0402 FOREST PRODUCTION.
  - 03.0403 FOREST PRODUCTS UTILIZATION.
  - 03.0405 LOGGING.
  - 03.0499 FORESTRY PRODUCTION AND PROCESSING, OTHER.

- 03.06 WILDLIFE MANAGEMENT.
  - 03.0601 WILDLIFE MANAGEMENT.

- 03.99 RENEWABLE NATURAL RESOURCES, OTHER.
  - 03.9999 RENEWABLE NATURAL RESOURCES, OTHER.

31. PARKS AND RECREATION. (PART)

- 31.02 OUTDOOR RECREATION.
  - 31.0201 OUTDOOR RECREATION.

BUSINESS AND OFFICE EDUCATION

06. BUSINESS AND MANAGEMENT (PART)

- 06.04 BUSINESS ADMINISTRATION AND MANAGEMENT.
  - 06.0401 BUSINESS ADMINISTRATION AND MANAGEMENT, GENERAL.
  - 06.0404 SYSTEMS EFFICIENCY ANALYSIS.

07. BUSINESS AND OFFICE.

- 07.01 ACCOUNTING, BOOKKEEPING, AND RELATED PROGRAMS.
  - 07.0101 ACCOUNTING, BOOKKEEPING, AND RELATED PROGRAMS, GENER
  - 07.0102 ACCOUNTING AND COMPUTING
  - 07.0103 BOOKKEEPING.
  - 07.0104 MACHINE BILLING, BOOKKEEPING, AND COMPUTING.
  - 07.0199 ACCOUNTING, BOOKKEEPING, AND RELATED PROGRAMS, OTHER

- 07.02 BANKING AND RELATED FINANCIAL PROGRAMS.
  - 07.0201 BANKING AND RELATED FINANCIAL PROGRAMS, GENERAL.
  - 07.0202 CREDIT COLLECTION CLERK.
  - 07.0203 INSURANCE CLERK.
  - 07.0204 LOAN CLERK.
  - 07.0205 TELLER.
  - 07.0206 TRANSIT CLERK.
  - 07.0299 BANKING AND RELATED FINANCIAL PROGRAMS, OTHER.

- 07.03 BUSINESS DATA PROCESSING AND RELATED PROGRAMS.
    - 07.0301 BUSINESS DATA PROCESSING AND RELATED PROGRAMS, GENER
    - 07.0302 BUSINESS COMPUTER AND CONSOLE OPERATION.
    - 07.0303 BUSINESS DATA ENTRY EQUIPMENT OPERATION.
    - 07.0304 BUSINESS DATA PERIPHERAL EQUIPMENT OPERATION.
    - 07.0305 BUSINESS DATA PROGRAMMING.
    - 07.0306 BUSINESS SYSTEMS ANALYSIS.
    - 07.0399 BUSINESS DATA PROCESSING AND RELATED PROGRAMS, OTHER

- 07.04 OFFICE SUPERVISION AND MANAGEMENT.
    - 07.0401 OFFICE SUPERVISION AND MANAGEMENT.

- 07.05 PERSONNEL AND TRAINING PROGRAMS.
    - 07.0501 PERSONNEL AND TRAINING PROGRAMS, GENERAL.
    - 07.0502 EDUCATIONAL ASSISTING AND TRAINING.
    - 07.0503 PERSONNEL ASSISTING.
    - 07.0599 PERSONNEL AND TRAINING PROGRAMS, OTHER.

- 07.06 SECRETARIAL AND RELATED PROGRAMS.
    - 07.0601 SECRETARIAL AND RELATED PROGRAMS, GENERAL.
    - 07.0602 COURT REPORTING.
    - 07.0603 EXECUTIVE SECRETARIAL.
    - 07.0604 LEGAL SECRETARIAL.
    - 07.0605 MEDICAL SECRETARIAL.
    - 07.0606 SECRETARIAL.
    - 07.0607 STENOGRAPHIC.
    - 07.0608 WORD PROCESSING.
    - 07.0699 SECRETARIAL AND RELATED PROGRAMS, OTHER.

- 07.07 TYPING, GENERAL OFFICE, AND RELATED PROGRAMS.
    - 07.0701 TYPING, GENERAL OFFICE AND RELATED PROGRAMS, GENERAL
    - 07.0702 CLERK-TYPIST.
    - 07.0703 CORRESPONDENCE CLERK.
    - 07.0704 DUPLICATING MACHINE OPERATION.
    - 07.0705 GENERAL OFFICE CLERK.
    - 07.0706 MAIL AND ORDER CLERK.
    - 07.0707 RECEPTIONIST AND COMMUNICATION SYSTEMS OPERATION.
    - 07.0708 SHIPPING, RECEIVING, AND STOCK CLERK.
    - 07.0709 TRAFFIC, RATE, AND TRANSPORTATION CLERK.
    - 07.0710 TYPING.
    - 07.0799 TYPING, GENERAL OFFICE, AND RELATED PROGRAMS, OTHER.

- 07.99 BUSINESS AND OFFICE, OTHER.
    - 07.9999 BUSINESS AND OFFICE, OTHER.

HEALTH OCCUPATIONS EDUCATION

17. ALLIED HEALTH SERVICES.

- 17.01 DENTAL SERVICES.
    - 17.0101 DENTAL ASSISTING.
    - 17.0102 DENTAL HYGIENE.
    - 17.0103 DENTAL LABORATORY TECHNOLOGY.
    - 17.0199 DENTAL SERVICES, OTHER.

- 17.02 DIAGNOSTIC AND TREATMENT SERVICES.
    - 17.0201 CARDIOPULMONARY TECHNOLOGY.
    - 17.0202 DIALYSIS TECHNOLOGY.
    - 17.0203 ELECTROCARDIOGRAPH TECHNOLOGY.
    - 17.0204 ELECTROENCEPHALOGRAPH TECHNOLOGY.
    - 17.0205 EMERGENCY MEDICAL TECHNOLOGY - AMBULANCE.
    - 17.0206 EMERGENCY MEDICAL TECHNOLOGY - PARAMEDIC.
    - 17.0207 MEDICAL RADIATION DOSIMETRY.
    - 17.0208 NUCLEAR MEDICAL TECHNOLOGY.
    - 17.0209 RADIOGRAPHIC MEDICAL TECHNOLOGY.
    - 17.0210 RESPIRATORY THERAPY TECHNOLOGY.
    - 17.0211 SURGICAL TECHNOLOGY.
    - 17.0212 ULTRASOUND TECHNOLOGY.
    - 17.0299 DIAGNOSTIC AND TREATMENT SERVICES, OTHER.

- 17.03 MEDICAL LABORATORY TECHNOLOGIES.
  - 17.0301 BLOOD BANK TECHNOLOGY.
  - 17.0302 CHEMISTRY TECHNOLOGY.
  - 17.0303 CLINICAL ANIMAL TECHNOLOGY.
  - 17.0304 CLINICAL LABORATORY AIDE.
  - 17.0305 CLINICAL LABORATORY ASSISTING.
  - 17.0306 CYTOTECHNOLOGY.
  - 17.0307 HEMATOLOGY TECHNOLOGY.
  - 17.0308 HISTOLOGIC TECHNOLOGY.
  - 17.0309 MEDICAL LABORATORY TECHNOLOGY.
  - 17.0310 MEDICAL TECHNOLOGY.
  - 17.0311 MICROBIOLOGY TECHNOLOGY.
  - 17.0399 MEDICAL LABORATORY TECHNOLOGIES, OTHER.

- 17.04 MENTAL HEALTH/HUMAN SERVICES.
  - 17.0401 ALCOHOL/DRUG ABUSE SPECIALTY.
  - 17.0402 COMMUNITY HEALTH WORK.
  - 17.0403 GENETIC COUNSELING.
  - 17.0404 HOME HEALTH AIDE.
  - 17.0405 MENTAL HEALTH/HUMAN SERVICES ASSISTING.
  - 17.0406 MENTAL HEALTH/HUMAN SERVICES TECHNOLOGY.
  - 17.0407 REHABILITATION COUNSELING.
  - 17.0408 THERAPEUTIC CHILD CARE WORK.
  - 17.0499 MENTAL HEALTH/HUMAN SERVICES, OTHER.

- 17.05 MISCELLANEOUS ALLIED HEALTH SERVICES.
  - 17.0501 ANIMAL TECHNOLOGY.
  - 17.0502 CENTRAL SUPPLY TECHNOLOGY.
  - 17.0503 MEDICAL ASSISTING.
  - 17.0504 MEDICAL ILLUSTRATING.
  - 17.0505 MEDICAL OFFICE MANAGEMENT.
  - 17.0506 MEDICAL RECORDS TECHNOLOGY.
  - 17.0507 PHARMACY ASSISTING.
  - 17.0508 PHYSICIAN ASSISTING-PRIMARY CARE.
  - 17.0509 PHYSICIAN ASSISTING-SPECIALTY.
  - 17.0510 PODIATRIC ASSISTING.
  - 17.0511 VETERINARIAN AIDE.
  - 17.0512 VETERINARIAN ASSISTING.
  - 17.0513 WARD CLERK.
  - 17.0599 MISCELLANEOUS ALLIED HEALTH SERVICES, OTHER.

- 17.06 NURSING-RELATED SERVICES.
  - 17.0601 GERIATRIC AIDE.
  - 17.0602 NURSING ASSISTING.
  - 17.0603 OBSTETRICAL TECHNOLOGY.
  - 17.0604 PEDIATRIC AIDE.
  - 17.0605 PRACTICAL NURSING.
  - 17.0606 WARD SERVICE MANAGEMENT.
  - 17.0699 NURSING-RELATED SERVICES, OTHER.

- 17.07 OPHTHALMIC SERVICES.
  - 17.0701 OPHTHALMIC DISPENSING.
  - 17.0702 OPHTHALMIC LABORATORY TECHNOLOGY.
  - 17.0703 OPHTHALMIC MEDICAL ASSISTING.
  - 17.0704 OPTOMETRIC ASSISTING.
  - 17.0705 OPTOMETRIC TECHNOLOGY.
  - 17.0706 ORTHOPTICS.
  - 17.0799 OPHTHALMIC SERVICES, OTHER.

- 17.08 REHABILITATION SERVICES.
  - 17.0801 ART THERAPY.
  - 17.0802 CORRECTIVE THERAPY.
  - 17.0803 DANCE THERAPY.
  - 17.0804 EXERCISE PHYSIOLOGY.
  - 17.0805 MANUAL ARTS THERAPY.
  - 17.0806 MUSIC THERAPY.
  - 17.0807 OCCUPATIONAL THERAPY.
  - 17.0808 OCCUPATIONAL THERAPY ASSISTING.
  - 17.0809 OCCUPATIONAL THERAPY AIDE.
  - 17.0810 ORTHOTIC/PROSTHETIC ASSISTING.
  - 17.0811 ORTHOTICS/PROSTHETICS.
  - 17.0812 ORTHOPEDIC ASSISTING.
  - 17.0813 PHYSICAL THERAPY.
  - 17.0814 PHYSICAL THERAPY AIDE.
  - 17.0815 PHYSICAL THERAPY ASSISTING.
  - 17.0816 RECREATIONAL THERAPY.
  - 17.0817 RECREATIONAL THERAPY TECHNOLOGY.
  - 17.0818 RESPIRATORY THERAPY.

17.08 REHABILITATION SERVICES, CONTINUED.
17.0819 RESPIRATORY THERAPY ASSISTING.
17.0820 SPEECH/HEARING THERAPY AIDE.
17.0821 SPEECH-LANGUAGE PATHOLOGY/AUDIOLOGY.
17.0899 REHABILITATION SERVICES, OTHER.

17.99 ALLIED HEALTH, OTHER.
17.9999 ALLIED HEALTH, OTHER.

18.11 NURSING. (PART)
18.1101 NURSING, GENERAL.

HOME ECONOMICS EDUCATION.

04. ARCHITECTURE AND ENVIRONMENTAL DESIGN. (PART)

04.05 INTERIOR DESIGN.
04.0501 INTERIOR DESIGN.

20. VOCATIONAL HOME ECONOMICS.

20.01 CONSUMER AND HOMEMAKING HOME ECONOMICS.
20.0101 COMPREHENSIVE CONSUMER AND HOMEMAKING HOME ECONOMICS
20.0102 CHILD DEVELOPMENT, CARE, AND GUIDANCE.
20.0103 CLOTHING AND TEXTILES.
20.0104 CONSUMER EDUCATION.
20.0105 EXPLORATORY HOMEMAKING.
20.0106 FAMILY/INDIVIDUAL HEALTH.
20.0107 FAMILY LIVING AND PARENTHOOD.
20.0108 FOOD AND NUTRITION.
20.0109 HOME MANAGEMENT.
20.0110 HOUSING, HOME FURNISHINIGS, AND EQUIPMENT.
20.0199 CONSUMER AND HOMEMAKING EDUCATION, OTHER.

20.02 CHILD CARE AND GUIDANCE MANAGEMENT AND SERVICES.
20.0201 CHILD CARE AND GUIDANCE MANAGEMENT AND SERVICES, GEN
20.0202 CHILD CARE AIDE/ASSISTING.
20.0203 CHILD CARE MANAGEMENT.
20.0204 FOSTER CARE/FAMILY CARE.
20.0205 TEACHER AIDE.
20.0299 CHILD CARE AND GUIDANCE MANAGEMENT AND SERVICES, OTH

20.03 CLOTHING, APPAREL, TEXTILES MANAGEMENT, PRODUCTION,
20.0301 CLOTHING, APPAREL, AND TEXTILES MANAGEMENT, PRODUCTI
20.0302 CLOTHING MAINTENANCE AIDE.
20.0303 COMMERCIAL GARMENT AND APPAREL CONSTRUCTION.
20.0304 CUSTOM APPAREL/GARMENT SEAMSTRESS.
20.0305 CUSTOM TAILORING AND ALTERATION.
20.0306 FASHION/FABRIC COORDINATION.
20.0307 TEXTILES TESTING.
20.0308 WEDDING/SPECIALTY CONSULTING.
20.0399 CLOTHING, APPAREL, AND TEXTILES MANAGEMENT, PRODUCTI

20.04 FOOD PRODUCTION, MANAGEMENT, AND SERVICES.
20.0401 FOOD PRODUCTION, MANAGEMENT, AND SERVICES, GENERAL.
20.0402 BAKING.
20.0403 CHEF/COOK.
20.0404 DIETETIC AIDE/ASSISTING.
20.0405 FOOD CATERING.
20.0406 FOOD SERVICE.
20.0407 FOOD TESTING.
20.0408 SCHOOL FOOD SERVICE.
20.0499 FOOD PRODUCTION, MANAGEMENT AND SERVICES, OTHER.

20.05 HOME FURNISHINGS AND EQUIPMENT MANAGEMENT, PRODUCTIO
20.0501 HOME FURNISHINGS AND EQUIPMENT MANAGEMENT, PRODUCTIO
20.0502 CUSTOM DRAPERY AND WINDOW TREATMENT DESIGN/MAKING.
20.0503 CUSTOM SLIPCOVERING AND UPHOLSTERING.
20.0504 FLORAL DESIGN.
20.0505 HOME DECORATING.
20.0506 HOME FURNISHINGS AIDE.
20.0507 HOME-SERVICE ASSISTING.
20.0599 HOME FURNISHINGS AND EQUIPMENT MANAGEMENT, PRODUCTIO

- 20.06 INSTITUTIONAL, HOME MANAGEMENT, AND SUPPORTING SERVI
  - 20.0601 INSTITUTIONAL, HOME MANAGEMENT, AND SUPPORTING PROGR
  - 20.0602 COMPANION TO THE AGED.
  - 20.0603 CONSUMER AIDE/ASSISTING.
  - 20.0604 CUSTODIAL SERVICES.
  - 20.0605 EXECUTIVE HOUSEKEEPING.
  - 20.0606 HOMEMAKER'S AIDE.
  - 20.0607 THERAPEUTIC RECREATION AIDE.
  - 20.0699 INSTITUTIONAL, HOME MANAGEMENT, AND SUPPORTING SERVI

- 20.99 VOCATIONAL HOME ECONOMICS, OTHER.
  - 20.9999 VOCATIONAL HOME ECONOMICS, OTHER.

MARKETING AND DISTRIBUTIVE EDUCATION.

06. BUSINESS MANAGEMENT. (PART)

- 06.07 INSTITUTIONAL MANAGEMENT.
  - 06.0701 HOTEL/MOTEL MANAGEMENT.
  - 06.0702 RECREATIONAL ENTERPRISES MANAGEMENT.
  - 06.0703 RESORT MANAGEMENT.
  - 06.0704 RESTAURANT MANAGEMENT.
  - 06.0705 TRANSPORTATION MANAGEMENT.
  - 06.0799 INSTITUTIONAL MANAGEMENT, OTHER.

- 06.14 MARKETING MANAGEMENT AND RESEARCH.
  - 06.1401 MARKETING MANAGEMENT.
  - 06.1402 MARKETING RESEARCH.
  - 06.1499 MARKETING MANAGEMENT AND RESEARCH, OTHER.

- 06.17 REAL ESTATE. (PART)
  - 06.1701 REAL ESTATE, GENERAL.
  - 06.1702 COMMERCIAL PROPERTY.
  - 06.1703 PROPERTY MANAGEMENT.
  - 06.1707 RESIDENTIAL PROPERTY.
  - 06.1799 REAL ESTATE, OTHER.

- 06.18 SMALL BUSINESS MANAGEMENT AND OWNERSHIP.
  - 06.1801 SMALL BUSINESS MANAGEMENT.
  - 06.1802 SMALL BUSINESS OWNERSHIP.
  - 06.1899 SMALL BUSINESS MANAGEMENT AND OWNERSHIP, OTHER.

08. MARKETING AND DISTRIBUTION.

- 08.01 APPAREL AND ACCESSORIES MARKETING.
  - 08.0101 APPAREL AND ACCESSORIES MARKETING, GENERAL.
  - 08.0102 FASHION MERCHANDISING.
  - 08.0104 FOOTWEAR MARKETING.
  - 08.0105 JEWELRY MARKETING.
  - 08.0199 APPAREL AND ACCESSORIES MARKETING, OTHER.

- 08.02 BUSINESS AND PERSONAL SERVICES MARKETING.
  - 08.0201 BUSINESS AND PERSONAL SERVICES MARKETING, GENERAL.
  - 08.0202 DISPLAY.
  - 08.0203 MARKETING OF BUSINESS OR PERSONAL SERVICES.
  - 08.0299 BUSINESS AND PERSONAL SERVICES MARKETING, OTHER.

- 08.03 ENTREPRENEURSHIP.
  - 08.0301 ENTREPRENEURSHIP, GENERAL.

- 08.04 FINANCIAL SERVICES MARKETING.
  - 08.0401 FINANCIAL SERVICES MARKETING, GENERAL.
  - 08.0402 BANKING MARKETING.
  - 08.0403 CREDIT MARKETING.
  - 08.0404 CREDIT UNION MARKETING.
  - 08.0405 SAVINGS AND LOAN MARKETING.
  - 08.0406 SECURITIES AND COMMODITIES MARKETING.
  - 08.0499 FINANCIAL SERVICES MARKETING, OTHER.

- 08.05 FLORISTRY, FARM AND GARDEN SUPPLIES MARKETING.
  - 08.0501 FLORISTRY, FARM AND GARDEN SUPPLIES MARKETING, GENER
  - 08.0502 FARM AND GARDEN SUPPLIES MARKETING.
  - 08.0503 FLORISTRY.
  - 08.0599 FLORISTRY, FARM AND GARDEN SUPPLIES MARKETING, OTHER

08.06 FOOD MARKETING.
    08.0601 FOOD MARKETING, GENERAL.
    08.0602 CONVENIENCE STORE MARKETING.
    08.0603 SPECIALTY FOODS MARKETING.
    08.0604 SUPERMARKET MARKETING.
    08.0605 WHOLESALE FOOD MARKETING.
    08.0699 FOOD MARKETING, OTHER.

08.07 GENERAL MARKETING.
    08.0701 AUCTIONEERING.
    08.0702 INDUSTRIAL SALES.
    08.0703 INTERNATIONAL MARKETING.
    08.0704 PURCHASING.
    08.0705 RETAILING.
    08.0706 SALES.
    08.0707 WHOLESALING.
    08.0799 GENERAL MARKETING, OTHER.

08.08 HOME AND OFFICE PRODUCTS MARKETING.
    08.0801 HOME AND OFFICE PRODUCTS MARKETING, GENERAL.
    08.0802 APPLIANCE MARKETING.
    08.0803 BUILDING MATERIALS MARKETING.
    08.0804 FLOOR COVERINGS, DRAPERIES, AND UPHOLSTERY MARKETING.
    08.0805 FURNITURE MARKETING.
    08.0806 HARDWARE MARKETING.
    08.0807 OFFICE PRODUCTS AND EQUIPMENT MARKETING.
    08.0808 SPECIALTY HOME FURNISHINGS MARKETING.
    08.0899 HOME AND OFFICE PRODUCTS MARKETING, OTHER.

08.09 HOSPITALITY AND RECREATION MARKETING.
    08.0901 HOSPITALITY AND RECREATION MARKETING, GENERAL.
    08.0902 MARKETING OF HOTEL/MOTEL SERVICES.
    08.0903 MARKETING OF RECREATIONAL SERVICES.
    08.0904 RECREATIONAL PRODUCTS MARKETING.
    08.0905 WAITER/WAITRESS AND RELATED SERVICES.
    08.0999 HOSPITALITY AND RECREATION MARKETING, OTHER.

08.10 INSURANCE MARKETING.
    08.1001 INSURANCE MARKETING, GENERAL.
    08.1002 ACCIDENT AND HEALTH INSURANCE MARKETING.
    08.1003 LIFE INSURANCE MARKETING.
    08.1004 PROPERTY AND CASUALTY INSURANCE MARKETING.
    08.1099 INSURANCE MARKETING, OTHER.

08.11 TRANSPORTATION AND TRAVEL MARKETING.
    08.1101 TRANSPORTATION AND TRAVEL MARKETING, GENERAL.
    08.1102 FREIGHT TRANSPORTATION MARKETING.
    08.1103 PASSENGER TRANSPORTATION MARKETING.
    08.1104 TOURISM.
    08.1105 TRAVEL SERVICES MARKETING.
    08.1106 WAREHOUSE SERVICES MARKETING.
    08.1199 TRANSPORTATION AND TRAVEL MARKETING, OTHER.

08.12 VEHICLES AND PETROLEUM MARKETING.
    08.1201 VEHICLES AND PETROLEUM MARKETING, GENERAL.
    08.1202 AGRICULTURAL IMPLEMENTS AND MACHINERY MARKETING.
    08.1203 AUTOMOTIVE VEHICLES AND ACCESSORIES MARKETING.
    08.1204 PETROLEUM WHOLESALING.
    08.1205 RECREATIONAL VEHICLES AND ACCESSSORIES MARKETING.
    08.1206 SERVICE STATION RETAILING.
    08.1207 VEHICLE RENTAL AND LEASING.
    08.1299 VEHICLES AND PETROLEUM MARKETING, OTHER.

08.99 MARKETING AND DISTRIBUTION, OTHER.
    08.9999 MARKETING AND DISTRIBUTION, OTHER.

09. COMMUNICATIONS. (PART)

09.02 ADVERTISING.
    09.0201 ADVERTISING.

TECHNICAL EDUCATION

02. AGRICULTURAL SCIENCES. (PART)

- 02.03 FOOD SCIENCES.
  - 02.0306 FOOD TECHNOLOGY.

03. RENEWABLE NATURAL RESOURCES. (PART)

- 03.04 FORESTRY PRODUCTION AND PROCESSING. (PART)
  - 03.0404 FOREST PRODUCTS PROCESSING TECHNOLOGY.

10. COMMUNICATION TECHNOLOGIES.

- 10.01 COMMUNICATION TECHNOLOGIES.
  - 10.0101 EDUCATIONAL MEDIA TECHNOLOGY.
  - 10.0102 MOTION PICTURE TECHNOLOGY.
  - 10.0103 PHOTOGRAPHIC TECHNOLOGY.
  - 10.0104 RADIO AND TELEVISION PRODUCTION AND BROADCASTING TEC
  - 10.0199 COMMUNICATION TECHNOLOGIES, OTHER.

11. COMPUTER AND INFORMATION SCIENCES. (PART)

- 11.02 COMPUTER PROGRAMMING.
  - 11.0201 COMPUTER PROGRAMMING.

- 11.03 DATA PROCESSING.
  - 11.0301 DATA PROCESSING.

- 11.05 SYSTEMS ANALYSIS.
  - 11.0501 SYSTEMS ANALYSIS.

- 12.03 FUNERAL SERVICES.
  - 12.0301 FUNERAL SERVICES.

15. ENGINEERING AND ENGINEERING-RELATED TECHNOLOGIES.

- 15.01 ARCHITECTURAL TECHNOLOGIES.
  - 15.0101 ARCHITECTURAL DESIGN AND CONSTRUCTION TECHNOLOGY.
  - 15.0102 ARCHITECTURAL INTERIOR DESIGN TECHNOLOGY.
  - 15.0199 ARCHITECTURAL TECHNOLOGIES, OTHER.

- 15.02 CIVIL TECHNOLOGIES.
  - 15.0201 CIVIL TECHNOLOGY.
  - 15.0202 DRAFTING AND DESIGN TECHNOLOGY.
  - 15.0203 SURVEYING AND MAPPING TECHNOLOGY.
  - 15.0204 URBAN PLANNING TECHNOLOGY.
  - 15.0299 CIVIL TECHNOLOGIES, OTHER.

- 15.03 ELECTRICAL AND ELECTRONIC TECHNOLOGIES.
  - 15.0301 COMPUTER TECHNOLOGY.
  - 15.0302 ELECTRICAL TECHNOLOGY.
  - 15.0303 ELECTRONIC TECHNOLOGY.
  - 15.0304 LASER ELECTRO-OPTIC TECHNOLOGY.
  - 15.0399 ELECTRICAL AND ELECTRONIC TECHNOLOGIES, OTHER.

- 15.04 ELECTROMECHANICAL INSTRUMENTATION AND MAINTENANCE TE
  - 15.0401 BIOMEDICAL EQUIPMENT TECHNOLOGY.
  - 15.0402 COMPUTER SERVICING TECHNOLOGY.
  - 15.0403 ELECTROMECHANICAL TECHNOLOGY.
  - 15.0404 INSTRUMENTATION TECHNOLOGY.
  - 15.0499 ELECTROMECHANICAL INSTRUMENTATION AND MAINTENANCE TE

- 15.05 ENVIRONMENTAL CONTROL TECHNOLOGIES.
  - 15.0501 AIR CONDITIONING, HEATING, AND REFRIGERATION TECHNOL
  - 15.0502 AIR POLLUTION CONTROL TECHNOLOGY.
  - 15.0503 ENERGY CONSERVATION AND USE TECHNOLOGY.
  - 15.0504 SANITATION TECHNOLOGY.
  - 15.0505 SOLAR HEATING AND COOLING TECHNOLOGY.
  - 15.0506 WATER AND WASTEWATER TECHNOLOGY.
  - 15.0599 ENVIRONMENTAL-CONTROL TECHNOLOGIES, OTHER.

- 15.06 INDUSTRIAL PRODUCTION TECHNOLOGIES.
  - 15.0601 CHEMICAL MANUFACTURING TECHNOLOGY.
  - 15.0602 FOOD PROCESSING TECHNOLOGY.
  - 15.0603 INDUSTRIAL TECHNOLOGY.
  - 15.0604 MANUFACTURING TECHNOLOGY.

15.06 INDUSTRIAL TECHNOLOGIES, CONTINUED.
15.0605 MARINE PRODUCTS TECHNOLOGY.
15.0606 OPTICAL TECHNOLOGY.
15.0607 PLASTIC TECHNOLOGY.
15.0608 SAFETY TECHNOLOGY.
15.0609 TEXTILE TECHNOLOGY.
15.0610 WELDING TECHNOLOGY.
15.0699 INDUSTRIAL PRODUCTION TECHNOLOGIES, OTHER.

15.07 QUALITY CONTROL AND SAFETY TECHNOLOGIES.
15.0701 OCCUPATIONAL SAFETY AND HEALTH TECHNOLOGY.
15.0702 QUALITY CONTROL TECHNOLOGY.
15.0799 QUALITY CONTROL AND SAFETY TECHNOLOGIES, OTHER.

15.08 MECHANICAL AND RELATED TECHNOLOGIES.
15.0801 AERONAUTICAL TECHNOLOGY.
15.0802 AGRICULTURAL EQUIPMENT TECHNOLOGY.
15.0803 AUTOMOTIVE TECHNOLOGY.
15.0804 MARINE PROPULSION TECHNOLOGY.
15.0805 MECHANICAL DESIGN TECHNOLOGY.
15.0899 MECHANICAL AND RELATED TECHNOLOGIES, OTHER.

15.09 MINING AND PETROLEUM TECHNOLOGIES.
15.0901 COAL MINING TECHNOLOGY.
15.0902 MINING (EXCLUDING COAL) TECHNOLOGY.
15.0903 PETROLEUM TECHNOLOGY.
15.0999 MINING AND PETROLEUM TECHNOLOGIES, OTHER.

15.99 ENGINEERING AND ENGINEERING-RELATED TECHNOLOGIES, OT
15.9999 ENGINEERING AND ENGINEERING-RELATED TECHNOLOGIES, OT

22. LAW. (PART)

22.01 LAW.
22.0103 LEGAL ASSISTING.

25.03 LIBRARY ASSISTING.
25.0301 LIBRARY ASSISTING.

41. SCIENCE TECHNOLOGIES.

41.01 BIOLOGICAL TECHNOLOGIES.
41.0101 BIOLOGICAL LABORATORY TECHNOLOGY.
41.0102 OCEANOGRAPHIC (BIOLOGICAL) TECHNOLOGY.
41.0199 BIOLOGICAL TECHNOLOGIES, OTHER.

41.02 NUCLEAR TECHNOLOGIES.
41.0201 NUCLEAR MATERIALS HANDLING TECHNOLOGY.
41.0202 NUCLEAR POWER PLANT OPERATION TECHNOLOGY.
41.0203 NUCLEAR POWER PLANT RADIATION CONTROL TECHNOLOGY.
41.0204 RADIOLOGICAL (PHYSICAL) TECHNOLOGY.
41.0299 NUCLEAR TECHNOLOGIES, OTHER.

41.03 PHYSICAL SCIENCE TECHNOLOGIES.
41.0301 CHEMICAL TECHNOLOGY.
41.0302 GEOLOGICAL TECHNOLOGY.
41.0303 METALLURGICAL TECHNOLOGY.
41.0304 METEOROLOGICAL TECHNOLOGY.
41.0305 OCEANOGRAPHIC (PHYSICAL) TECHNOLOGY.
41.0399 PHYSICAL SCIENCE TECHNOLOGIES, OTHER.

41.99 SCIENCE TECHNOLOGIES, OTHER.
41.9999 SCIENCE TECHNOLOGIES, OTHER.

43. PROTECTIVE SERVICES (PART)

43.01 CRIMINAL JUSTICE. (PART)
43.0105 CRIMINAL JUSTICE TECHNOLOGY.

43.02 FIRE PROTECTION. (PART)
43.0201 FIRE CONTROL AND SAFETY TECHNOLOGY.

49. TRANSPORTATION AND MATERIAL MOVING. (PART)

49.01 AIR TRANSPORTATION.
49.0101 AIR TRANSPORTATION, GENERAL.
49.0102 AIRPLANE PILOTING AND NAVIGATION.
49.0105 AIR TRAFFIC CONTROL

49.03 WATER TRANSPORATION.
- 49.0303 COMMERCIAL FISHING OPERATION.
- 49.0304 DEEP WATER DIVING AND LIFE SUPPORT SYSTEMS.
- 49.0305 MARINA OPERATIONS.

50. VISUAL AND PERFORMING ARTS. (PART)

50.08 GRAPHIC ARTS TECHNOLOGY.
- 50.0801 GRAPHIC ARTS TECHNOLOGY.

TRADE AND INDUSTRIAL EDUCATION.

06. BUSINESS AND MANAGEMENT. (PART)

06.20 TRADE AND INDUSTRIAL SUPERVISION AND MANAGEMENT.
- 06.2001 TRADE AND INDUSTRIAL SUPERVISION AND MANAGEMENT.

12. CONSUMER, PERSONAL AND MISCELLANEOUS SERVICES. (PART)

12.01 DRYCLEANING AND LAUNDERING SERVICES.
- 12.0101 DRYCLEANING AND LAUNDERING SERVICES, GENERAL.
- 12.0102 DRYCLEANING.
- 12.0103 LAUNDERING.
- 12.0199 DRYCLEANING AND LAUNDERING SERVICES, OTHER.

12.04 PERSONAL SERVICES.
- 12.0401 PERSONAL SERVICES, GENERAL.
- 12.0402 BARBERING.
- 12.0403 COSMETOLOGY.
- 12.0404 ELECTROLYSIS.
- 12.0405 MASSAGE.
- 12.0499 PERSONAL SERVICES, OTHER.

43. PROTECTIVE SERVICES. (PART)

43.01 CRIMINAL JUSTICE. (PART)
- 43.0107 LAW ENFORCEMENT
- 43.0109 SECURITY SERVICES.

43.02 FIRE PROTECTION. (PART)
- 43.0203 FIREFIGHTING.

46. CONSTRUCTION TRADES.

46.01 BRICKMASONRY, STONEMASONRY, AND TILE SETTING.
- 46.0101 BRICKMASONRY, STONEMASONRY, AND TILE SETTING, GENERA
- 46.0102 BRICK, BLOCK, AND STONEMASONRY.
- 46.0103 TILE SETTING.
- 46.0199 BRICKMASONRY, STONEMASONRY, AND TILE SETTING, OTHER.

46.02 CARPENTRY.
- 46.0201 CARPENTRY.

46.03 ELECTRICAL AND POWER TRANSMISSION INSTALLATION.
- 46.0301 ELECTRICAL AND POWER TRANSMISSION INSTALLATION, GENE
- 46.0302 ELECTRICIAN.
- 46.0303 LINEWORKER.
- 46.0399 ELECTRICAL AND POWER TRANSMISSION INSTALLATION, OTHER.

46.04 MISCELLANEOUS CONSTRUCTION TRADES.
- 46.0401 BUILDING MAINTENANCE.
- 46.0402 CONCRETE PLACING AND FINISHING.
- 46.0403 CONSTRUCTION INSPECTION.
- 46.0404 DRYWALL INSTALLATION.
- 46.0405 FLOOR COVERING INSTALLATION.
- 46.0406 GLAZING.
- 46.0407 INSULATION INSTALLATION.
- 46.0408 PAINTING AND DECORATING.
- 46.0409 PLASTERING.
- 46.0410 ROOFING.
- 46.0411 TERRAZZO INSTALLATION.
- 46.0499 MISCELLANEOUS CONSTRUCTION TRADES, OTHER.

46.05 PLUMBING, PIPEFITTING, AND STEAMFITTING.
- 46.0501 PLUMBING, PIPEFITTING, AND STEAMFITTING, GENERAL.
- 46.0502 PIPEFITTING AND STEAMFITTING.
- 46.0503 PLUMBING.
- 46.0599 PLUMBING, PIPEFITTING, AND STEAMFITTING, OTHER.

46.99 CONSTRUCTION TRADES, OTHER.
- 46.9999 CONSTRUCTION TRADES, OTHER.

47. MECHANICS AND REPAIRERS.

47.01 ELECTRICAL AND ELECTRONICS EQUIPMENT REPAIR.
- 47.0101 ELECTRICAL AND ELECTRONICS EQUIPMENT REPAIR, GENERAL
- 47.0102 BUSINESS MACHINE REPAIR.
- 47.0103 COMMUNICATIONS ELECTRONICS.
- 47.0104 COMPUTER ELECTRONICS.
- 47.0105 INDUSTRIAL ELECTRONICS.
- 47.0106 MAJOR APPLIANCE REPAIR.
- 47.0107 MOTOR REPAIR.
- 47.0108 SMALL APPLIANCE REPAIR.
- 47.0109 VENDING AND RECREATIONAL MACHINE REPAIR.
- 47.0199 ELECTRICAL AND ELECTRONICS EQUIPMENT REPAIR, OTHER.

47.02 HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANI
- 47.0201 HEATING, AIR CONDITIONING AND REFRIGERATION MECHANIC
- 47.0202 COOLING AND REFRIGERATION.
- 47.0203 HEATING AND AIR CONDITIONING.
- 47.0299 HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANI

47.03 INDUSTRIAL EQUIPMENT MAINTENANCE AND REPAIR.
- 47.0301 INDUSTRIAL EQUIPMENT MAINTENANCE AND REPAIR, GENERAL
- 47.0302 HEAVY EQUIPMENT MAINTENANCE AND REPAIR.
- 47.0303 INDUSTRIAL MACHINERY MAINTENANCE AND REPAIR.
- 47.0304 MINE EQUIPMENT MAINTENANCE AND REPAIR.
- 47.0305 OIL AND GAS DRILLING EQUIPMENT OPERATION AND MAINTENANCE.
- 47.0399 INDUSTRIAL EQUIPMENT MAINTENANCE AND REPAIR, OTHER.

47.04 MISCELLANEOUS MECHANICS AND REPAIRERS.
- 47.0401 ELECTROMECHANICAL, HYDRAULIC, AND PNEUMATIC INSTRUME
- 47.0402 GUNSMITHING.
- 47.0403 LOCKSMITHING AND SAFE REPAIR.
- 47.0404 MUSICAL INSTRUMENT REPAIR.
- 47.0405 OPERATION, MAINTENANCE, AND REPAIR OF AUDIO-VISUAL E
- 47.0406 SHOE AND BOOT REPAIR.
- 47.0407 SPORTING GOODS EQUIPMENT REPAIR.
- 47.0408 WATCH REPAIR.
- 47.0499 MISCELLANEOUS MECHANICS AND REPAIRERS, OTHER.

47.05 STATIONARY ENERGY SOURCES.
- 47.0501 STATIONARY ENERGY SOURCES, GENERAL.
- 47.0502 CONVENTIONAL ELECTRIC POWER GENERATION.
- 47.0503 INDUSTRIAL NUCLEAR ENERGY.
- 47.0504 PUMPING PLANTS.
- 47.0599 STATIONARY ENERGY SOURCES, OTHER.

47.06 VEHICLE AND MOBILE EQUIPMENT MECHANICS AND REPAIRERS
- 47.0601 VEHICLE AND MOBILE EQUIPMENT MECHANICS AND REPAIRERS
- 47.0602 AIRCRAFT MECHANICS.
- 47.0603 AUTOMOTIVE BODY REPAIR.
- 47.0604 AUTOMOTIVE MECHANICS.
- 47.0605 DIESEL ENGINE MECHANICS.
- 47.0606 SMALL ENGINE REPAIR.
- 47.0699 VEHICLE AND MOBILE EQUIPMENT MECHANICS AND REPAIRERS

47.99 MECHANICS AND REPAIRERS, OTHER.
- 47.9999 MECHANICS AND REPAIRERS, OTHER.

48. PRECISION PRODUCTION.

48.01 DRAFTING.
- 48.0101 DRAFTING, GENERAL.
- 48.0102 ARCHITECTURAL DRAFTING.
- 48.0103 CIVIL/STRUCTURAL DRAFTING.
- 48.0104 ELECTRICAL/ELECTRONICS DRAFTING.
- 48.0105 MECHANICAL DRAFTING.
- 48.0199 DRAFTING, OTHER.

- 48.02 GRAPHIC AND PRINTING COMMUNICATIONS.
  - 48.0201 GRAPHIC AND PRINTING COMMUNICATIONS, GENERAL.
  - 48.0202 BOOKBINDING.
  - 48.0203 COMMERCIAL ART.
  - 48.0204 COMMERCIAL PHOTOGRAPHY.
  - 48.0205 COMPOSITION, MAKE-UP, AND TYPESETTING.
  - 48.0206 LITHOGRAPHY, PHOTOGRAPHY, AND PLATEMAKING.
  - 48.0207 PHOTOGRAPHIC LABORATORY AND DARKROOM.
  - 48.0208 PRINTING PRESS OPERATIONS.
  - 48.0209 SILK SCREEN MAKING AND PRINTING.
  - 48.0299 GRAPHIC AND PRINTING COMMUNICATIONS, OTHER.

- 48.03 LEATHERWORKING AND UPHOLSTERING.
  - 48.0301 LEATHERWORKING AND UPHOLSTERING, GENERAL.
  - 48.0302 SADDLEMAKING AND REPAIR.
  - 48.0303 UPHOLSTERING.
  - 48.0399 LEATHERWORKING AND UPHOLSTERING, OTHER.

- 48.04 PRECISION FOOD PRODUCTION.
  - 48.0401 PRECISION FOOD PRODUCTION, GENERAL.
  - 48.0402 MEATCUTTING.
  - 48.0403 SLAUGHTERING AND BUTCHERING.
  - 48.0499 PRECISION FOOD PRODUCTION, OTHER.

- 48.05 PRECISION METAL WORK.
  - 48.0501 PRECISION METAL WORK, GENERAL.
  - 48.0502 FOUNDRY WORK.
  - 48.0503 MACHINE TOOL OPERATION/MACHINE SHOP.
  - 48.0504 METAL FABRICATION.
  - 48.0505 METAL PATTERNMAKING.
  - 48.0506 SHEET METAL.
  - 48.0507 TOOL AND DIE MAKING.
  - 48.0508 WELDING, BRAZING, AND SOLDERING.
  - 48.0599 PRECISION METAL WORK, OTHER.

- 48.06 PRECISION WORK, ASSORTED MATERIALS.
  - 48.0601 INDUSTRIAL CERAMICS MANUFACTURING.
  - 48.0602 JEWELRY DESIGN, FABRICATION, AND REPAIR.
  - 48.0603 OPTICAL GOODS WORK.
  - 48.0604 PLASTICS.
  - 48.0699 PRECISION WORK, ASSORTED MATERIALS, OTHER.

- 48.07 WOODWORKING.
  - 48.0701 WOODWORKING, GENERAL.
  - 48.0702 FURNITURE MAKING.
  - 48.0703 MILLWORK AND CABINET MAKING.
  - 48.0799 WOODWORKING, OTHER.

- 48.99 PRECISION PRODUCTION, OTHER.
  - 48.9999 PRECISION PRODUCTION, OTHER.

49. TRANSPORTATION AND MATERIAL MOVING. (PART)

- 49.01 AIR TRANSPORTATION. (PART)
  - 49.0106 FLIGHT ATTENDANTS.

- 49.02 VEHICLE AND EQUIPMENT OPERATION.
  - 49.0201 VEHICLE AND EQUIPMENT OPERATION, GENERAL.
  - 49.0202 CONSTRUCTION EQUIPMENT OPERATION.
  - 49.0203 MATERIAL HANDLING.
  - 49.0204 MINING EQUIPMENT OPERATION.
  - 49.0205 TRUCK AND BUS DRIVING.
  - 49.0299 VEHICLE AND EQUIPMENT OPERATION, OTHER.

- 49.03 WATER TRANSPORTATION. (PART)
  - 49.0301 WATER TRANSPORTATION, GENERAL.
  - 49.0302 BARGE AND BOAT OPERATION.
  - 49.0306 MARINE MAINTENANCE.
  - 49.0308 SAILORS AND DECKHANDS.
  - 49.0399 WATER TRANSPORTATION, OTHER.

- 49.99 TRANSPORTATION AND MATERIAL MOVING, OTHER.
  - 49.9999 TRANSPORTATION AND MATERIAL MOVING, OTHER.

REFERENCE B

Dictionary of Occupational Titles (DOT) Classification

With the exception of Master and Term title definitions, each occupational definition contained in the Dictionary of Occupational Titles has been assigned a unique nine-digit code. Each set of three digits in the nine-digit code has a meaning or purpose. This reference provides a summary listing of the first, second and third digits of the DOT codes which are utilized to indicate occupational categories, divisions and groups, respectively. The following is an explanation of the meaning and hierarchical arrangement of these codes extracted from pages xvi-xvii of the Dictionary of Occupational Titles.

> The first three digits identify a particular occupational group. All occupations are clustered into one of nine broad "categories" (first digit), such as professional, technical, and managerial; or clerical and sales occupations. These categories break up into 82 occupationally specific "divisions" (first two digits), such as occupations in architecture and engineering within the professional category, or stenography, typing, filing and related occupations in the clerical and sales category. Divisions, in turn, separate into small, homogeneous "groups" (first three digits) - 559 such groups are identified in the DOT. The nine primary occupational categories are listed below:
>
> | | |
> |---|---|
> | 0/1 | Professional, Technical, and Managerial Occupations |
> | 2 | Clerical and Sales Occupations |
> | 3 | Service Occupations |
> | 4 | Agricultural, Fishery, Forestry, and Related Occupations |
> | 5 | Processing Occupations |
> | 6 | Machine Trades Occupations |
> | 7 | Bench Work Occupations |
> | 8 | Structural Work Occupations |
> | 9 | Miscellaneous Occupations |
>
> In the DOT code 652-382-010 Cloth Printer, for example, the first digit (6) indicates the category, "Machine Trades Occupations."

The second digit refers to a division within the category. The divisions within the "Machine Trades Occupations" category are as follows:

60	Metal Machining Occupations
61	Metalworking Occupations, n.e.c.*
62/63	Mechanics and Machinery Repairers
64	Paperworking Occupations
65	Printing Occupations
66	Wood Machining Occupations
67	Occupations in Machining Stone, Clay, Glass and Related Materials
68	Textile Occupations
69	Machine Trades Occupations, n.e.c.*

The second digit (5) locates the occupation in the "Printing Occupations" division.

The third digit defines the occupational group within the division. The groups within the "Printing Occupations" division are as follows:

650	Typesetters and Composers
651	Printing Press Occupations
652	Printing Machine Occupations
653	Bookbinding-Machine Operators and Related Occupations
654	Typecasters and Related Occupations
659	Printing Occupations, n.e.c.*

The third digit in the example (2) locates the occupation in the "Printing Machine Occupations" group.

As is indicated in the example, the levels of specificity increase as each digit is added so that the three digits together provide an indication of a specific occupational group. Within each group, the code is expanded to include individual occupations. The following summary listing taken from pages xxxiv-xli of the *Dictionary of Occupational Titles* lists the codes and titles of the occupational categories (first digit), the occupational divisions (first two digits), and occupational groups (first three digits).

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* Some divisions or groups end in the designation "n.e.c." (not elsewhere classified). This indicates that the occupations do not logically fit into more precisely defined divisions or groups, or that they could fit into two or more of them equally well.

SUMMARY LISTING OF OCCUPATIONAL CATEGORIES, DIVISIONS, AND GROUPS

OCCUPATIONAL CATEGORIES

0/1	Professional, technical, and managerial occupations
2	Clerical and sales occupations
3	Service occupations
4	Agricultural, fishery, forestry, and related occupations
5	Processing occupations
6	Machine trades occupations
7	Benchwork occupations
8	Structural work occupations
9	Miscellaneous occupations

TWO-DIGIT OCCUPATIONAL DIVISIONS

PROFESSIONAL, TECHNICAL, AND MANAGERIAL OCCUPATIONS

00/01	Occupations in architecture, engineering, and surveying
02	Occupations in mathematics and physical sciences
04	Occupations in life sciences
05	Occupations in social sciences
07	Occupations in medicine and health
09	Occupations in education
10	Occupations in museum, library, and archival sciences
11	Occupations in law and jurisprudence
12	Occupations in religion and theology
13	Occupations in writing
14	Occupations in art
15	Occupations in entertainment and recreation
16	Occupations in administrative specializations
18	Managers and officials, n.e.c.
19	Miscellaneous professional, technical, and managerial occupations

CLERICAL AND SALES OCCUPATIONS

20	Stenography, typing, filing, and related occupations
21	Computing and account-recording occupations
22	Production and stock clerks and related occupations
23	Information and message distribution occupations
24	Miscellaneous clerical occupations
25	Sales occupations, services
26	Sales occupations, consumable commodities
27	Sales occupations, commodities, n.e.c.
29	Miscellaneous sales occupations

SERVICE OCCUPATIONS

30	Domestic service occupations
31	Food and beverage preparation and service occupations
32	Lodging and related service occupations
33	Barbering, cosmetology, and related service occupations
34	Amusement and recreation service occupations
35	Miscellaneous personal service occupations
36	Apparel and furnishings service occupations
37	Protective service occupations
38	Building and related service occupations

AGRICULTURAL, FISHERY, FORESTRY, AND RELATED OCCUPATIONS

40	Plant farming occupations
41	Animal farming occupations
42	Miscellaneous agricultural and related occupations
44	Fishery and related occupations
45	Forestry occupations
46	Hunting, trapping, and related occupations

PROCESSING OCCUPATIONS

50	Occupations in processing of metal
51	Ore refining and foundry occupations
52	Occupations in processing of food, tobacco, and related products
53	Occupations in processing of paper and related materials
54	Occupations in processing of petroleum, coal, natural and manufactured gas, and related products
55	Occupations in processing of chemicals, plastics, synthetics, rubber, paint, and related products
56	Occupations in processing of wood and wood products
57	Occupations in processing of stone, clay, glass, and related products
58	Occupations in processing of leather, textiles, and related products
59	Processing occupations, n.e.c.

MACHINE TRADES OCCUPATIONS

60	Metal machining occupations
61	Metalworking occupations, n.e.c.
62/63	Mechanics and machinery repairers
64	Paperworking occupations
65	Printing occupations
66	Wood machining occupations
67	Occupations in machining stone, clay, glass, and related materials
68	Textile occupations
69	Machine trades occupations, n.e.c.

BENCHWORK OCCUPATIONS

70	Occupations in fabrication, assembly, and repair of metal products, n.e.c.
71	Occupations in fabrication and repair of scientific, medical, photographic, optical, horological, and related products
72	Occupations in assembly and repair of electrical equipment
73	Occupations in fabrication and repair of products made from assorted materials
74	Painting, decorating, and related occupations
75	Occupations in fabrication and repair of plastics, synthetics, rubber, and related products
76	Occupations in fabrication and repair of wood products
77	Occupations in fabrication and repair of sand, stone, clay, and glass products
78	Occupations in fabrication and repair of textile, leather, and related products
79	Bench work occupations, n.e.c.

STRUCTURAL WORK OCCUPATIONS

80	Occupations in metal fabricating, n.e.c.
81	Welders, cutters, and related occupations
82	Electrical assembling, installing, and repairing occupations
84	Painting, plastering, waterproofing, cementing, and related occupations
85	Excavating, grading, paving, and related occupations
86	Construction occupations, n.e.c.
89	Structural work occupations, n.e.c.

MISCELLANEOUS OCCUPATIONS

90	Motor freight occupations
91	Transportation occupations, n.e.c.
92	Packaging and materials handling occupations
93	Occupations in extraction of minerals
95	Occupations in production and distribution of utilities
96	Amusement, recreation, motion picture, radio and television occupations, n.e.c.
97	Occupations in graphic art work

THREE-DIGIT OCCUPATIONAL GROUPS

PROFESSIONAL, TECHNICAL, AND MANAGERIAL OCCUPATIONS

00/01 Occupations in architecture, engineering, and surveying
001 Architectural occupations
002 Aeronautical engineering occupations
003 Electrical/electronics engineering occupations
005 Civil engineering occupations
006 Ceramic engineering occupations
007 Mechanical engineering occupations
008 Chemical engineering occupations
010 Mining and petroleum engineering occupations
011 Metallurgy and metallurgical engineering occupations
012 Industrial engineering occupations
013 Agricultural engineering occupations
014 Marine engineering occupations
015 Nuclear engineering occupations
017 Drafters, n.e.c.
018 Surveying/cartographic occupations
019 Occupations in architecture, engineering, and surveying, n.e.c.

02 Occupations in mathematics and physical sciences
020 Occupations in mathematics
021 Occupations in astronomy
022 Occupations in chemistry
023 Occupations in physics
024 Occupations in geology
025 Occupations in meteorology
029 Occupations in mathematics and physical sciences, n.e.c.

04 Occupations in life sciences
040 Occupations in agricultural sciences
041 Occupations in biological sciences
045 Occupations in psychology
049 Occupations in life sciences, n.e.c.

05 Occupations in social sciences
050 Occupations in economics
051 Occupations in political science
052 Occupations in history
054 Occupations in sociology
055 Occupations in anthropology
059 Occupations in social sciences, n.e.c.

07 Occupations in medicine and health
070 Physicians and surgeons
071 Osteopaths
072 Dentists
073 Veterinarians
074 Pharmacists
075 Registered nurses
076 Therapists
077 Dietitians
078 Occupations in medical and dental technology
079 Occupations in medicine and health, n.e.c.

09 Occupations in education
090 Occupations in college and university education
091 Occupations in secondary school education
092 Occupations in preschool, primary school, and kindergarten education
094 Occupations in education of the handicapped
096 Home economists and farm advisers
097 Occupations in vocational education, n.e.c.
099 Occupations in education, n.e.c.

10 Occupations in museum, library, and archival sciences
100 Librarians
101 Archivists
102 Museum curators and related occupations
109 Occupations in museum, library, and archival sciences, n.e.c.

11 Occupations in law and jurisprudence
110 Lawyers
111 Judges
119 Occupations in law and jurisprudence, n.e.c.

12 Occupations in religion and theology
120 Clergy
129 Occupations in religion and theology, n.e.c.

13 Occupations in writing
131 Writers
132 Editors: publication, broadcast, and script
137 Interpreters and translators
139 Occupations in writing, n.e.c.

14 Occupations in art
141 Commercial artists: designers and illustrators, graphic arts
142 Environmental, product, and related designers
143 Occupations in photography
144 Fine artists: painters, sculptors, and related occupations
149 Occupations in art, n.e.c.

15 Occupations in entertainment and recreation
150 Occupations in dramatics
151 Occupations in dancing
152 Occupations in music
153 Occupations in athletics and sports
159 Occupations in entertainment and recreation, n.e.c.

16 Occupations in administrative specializations
160 Accountants and auditors
161 Budget and management systems analysis occupations
162 Purchasing management occupations
163 Sales and distribution management occupations
164 Advertising management occupations
165 Public relations management occupations
166 Personnel administration occupations
168 Inspectors and investigators, managerial and public service
169 Occupations in administrative specializations, n.e.c.

18 Managers and officials, n.e.c.
180 Agriculture, forestry, and fishing industry managers and officials
181 Mining industry managers and officials
182 Construction industry managers and officials
183 Manufacturing industry managers and officials
184 Transportation, communication, and utilities industry managers and officials
185 Wholesale and retail trade managers and officials
186 Finance, insurance, and real estate managers and officials
187 Service industry managers and officials
188 Public administration managers and officials
189 Miscellaneous managers and officials, n.e.c.

19 Miscellaneous professional, technical, and managerial occupations
191 Agents and appraisers, n.e.c.
193 Radio operators
194 Sound, film, and videotape recording, and reproduction occupations
195 Occupations in social and welfare work
196 Airplane pilots and navigators
197 Ship captains, mates, pilots, and engineers
198 Railroad conductors
199 Miscellaneous professional, technical, and managerial occupations, n.e.c.

CLERICAL AND SALES OCCUPATIONS

20 Stenography, typing, filing, and related occupations
201 Secretaries
202 Stenographers
203 Typists and typewriting-machine operators

205	Interviewing clerks
206	File clerks
207	Duplicating-machine operators and tenders
208	Mailing and miscellaneous office machine operators
209	Stenography, typing, filing, and related occupations, n.e.c.
21	**Computing and account-recording occupations**
210	Bookkeepers and bookkeeping-machine operators
211	Cashiers and tellers
213	Electronic and electromechanical data processors
214	Billing and rate clerks
215	Payroll, timekeeping, and duty-roster clerks
216	Accounting and statistical clerks
217	Account-recording-machine operators, n.e.c.
219	Computing and account-recording occupations, n.e.c.
22	**Production and stock clerks and related occupations**
221	Production clerks
222	Shipping, receiving, stock, and related clerical occupations
229	Production and stock clerks and related occupations, n.e.c.
23	**Information and message distribution occupations**
230	Hand delivery and distribution occupations
235	Telephone operators
236	Telegraph operators
237	Information and reception clerks
238	Accommodation clerks and gate and ticket agents
239	Information and message distribution occupations, n.e.c.
24	**Miscellaneous clerical occupations**
241	Investigators, adjusters, and related occupations
243	Government service clerks, n.e.c.
245	Medical service clerks, n.e.c.
247	Advertising-service clerks, n.e.c.
248	Transportation-service clerks, n.e.c.
249	Miscellaneous clerical occupations, n.e.c.
25	**Sales occupations, services**
250	Sales occupations, real estate and insurance
251	Sales occupations, business and financial services
252	Sales occupations, transportation services
253	Sales occupations, utilities
254	Sales occupations, printing and advertising
259	Sales occupations, services, n.e.c.
26	**Sales occupations, consumable commodities**
260	Sales occupations, agricultural and food products
261	Sales occupations, textile products, apparel, and notions
262	Sales occupations, chemicals, drugs, and sundries
269	Sales occupations, miscellaneous consumable commodities, n.e.c.
27	**Sales occupations, commodities, n.e.c.**
270	Sales occupations, home furniture, furnishings, and appliances
271	Sales occupations, electrical goods, except home appliances
272	Sales occupations, farm and gardening equipment and supplies
273	Sales occupations, transportation equipment, parts, and supplies
274	Sales occupations, industrial and related equipment and supplies
275	Sales occupations, business and commercial equipment and supplies
276	Sales occupations, medical and scientific equipment and supplies
277	Sales occupations, sporting, hobby, stationery, and related goods
279	Sales occupations, miscellaneous commodities, n.e.c.
29	**Miscellaneous sales occupations**
290	Sales clerks
291	Vending and door to door selling occupations
292	Route sales and delivery occupations
293	Solicitors
294	Auctioneers
295	Rental clerks
296	Shoppers
297	Sales promotion occupations
298	Merchandise displayers
299	Miscellaneous sales occupations, n.e.c.

SERVICE OCCUPATIONS

30	**Domestic service occupations**
301	Household and related work
302	Launderers, private family
305	Cooks, domestic
309	Domestic service occupations, n.e.c.
31	**Food and beverage preparation and service occupations**
310	Hosts/hostesses and stewards/stewardesses, food and beverage service, except ship stewards/stewardesses
311	Waiters/waitresses, and related food service occupations
312	Bartenders
313	Chefs and cooks, hotels and restaurants
315	Miscellaneous cooks, except domestic
316	Meatcutters, except in slaughtering and packing houses
317	Miscellaneous food and beverage preparation occupations
318	Kitchen workers n.e.c
319	Food and beverage preparation and service occupations, n.e.c.
32	**Lodging and related service occupations**
320	Boarding-house and lodging-house keepers
321	Housekeepers, hotels and institutions
323	Housecleaners, hotels, restaurants, and related establishments
324	Bellhops and related occupations
329	Lodging and related service occupations, n.e.c.
33	**Barbering, cosmetology, and related service occupations**
330	Barbers
331	Manicurists
332	Hairdressers and cosmetologists
333	Make-up occupations
334	Masseurs and related occupations
335	Bath attendants
338	Embalmers and related occupations
339	Barbering, cosmetology, and related service occupations, n.e.c.
34	**Amusement and recreation service occupations**
340	Attendants, bowling alley and billiard parlor
341	Attendants, golf course, tennis court, skating rink, and related facilities
342	Amusement device and concession attendants
343	Gambling hall attendants
344	Ushers
346	Wardrobe and dressing-room attendants
349	Amusement and recreation service occupations, n.e.c.
35	**Miscellaneous personal service occupations**
350	Ship stewards/stewardesses and related occupations
351	Train attendants
352	Hosts/hostesses and stewards/stewardesses, n.e.c.
353	Guides
354	Unlicensed birth attendants and practical nurses
355	Attendants, hospitals, morgues, and related health services
357	Baggage handlers
358	Checkroom, locker room, and restroom attendants
359	Miscellaneous personal service occupations, n.e.c.
36	**Apparel and furnishings service occupations**
361	Laundering occupations
362	Dry cleaning occupations
363	Pressing occupations
364	Dyeing and related occupations
365	Shoe and luggage repairer and related occupations
366	Bootblacks and related occupations
369	Apparel and furnishings service occupations, n.e.c.
37	**Protective service occupations**
371	Crossing tenders and bridge operators
372	Security guards and correction officers, except crossing tenders
373	Fire fighters, fire department

375 Police officers and detectives, public service
376 Police officers and detectives, except in public service
377 Sheriffs and bailiffs
378 Armed forces enlisted personnel
379 Protective service occupations, n.e.c.

38 Building and related service occupations
381 Porters and cleaners
382 Janitors
383 Building pest control service occupations
388 Elevator operators
389 Building and related service occupations, n.e.c.

AGRICULTURAL, FISHERY, FORESTRY, AND RELATED OCCUPATIONS

40 Plant farming occupations
401 Grain farming occupations
402 Vegetable farming occupations
403 Fruit and nut farming occupations
404 Field crop farming occupations, n.e.c.
405 Horticultural specialty occupations
406 Gardening and groundskeeping occupations
407 Diversified crop farming occupations
408 Plant life and related service occupations
409 Plant farming and related occupations, n.e.c.

41 Animal farming occupations
410 Domestic animal farming occupations
411 Domestic fowl farming occupations
412 Game farming occupations
413 Lower animal farming occupations
418 Animal service occupations
419 Animal farming occupations, n.e.c.

42 Miscellaneous agricultural and related occupations
421 General farming occupations
429 Miscellaneous agricultural and related occupations, n.e.c.

44 Fishery and related occupations
441 Net, seine, and trap fishers
442 Line fishers
443 Fishers, miscellaneous equipment
446 Aquatic life cultivation and related occupations
447 Sponge and seaweed gatherers
449 Fishery and related occupations, n.e.c.

45 Forestry occupations
451 Tree farming and related occupations
452 Forest conservation occupations
453 Occupations in harvesting forest products, except logging
454 Logging and related occupations
455 Log grading, scaling, sorting, rafting, and related occupations
459 Forestry occupations, n.e.c.

46 Hunting, trapping, and related occupations
461 Hunting and trapping occupations

PROCESSING OCCUPATIONS

50 Occupations in processing of metal
500 Electroplating occupations
501 Dip plating occupations
502 Melting, pouring, casting, and related occupations
503 Pickling, cleaning, degreasing, and related occupations
504 Heat-treating occupations
505 Metal spraying, coating, and related occupations
509 Occupations in processing of metal, n.e.c.

51 Ore refining and foundry occupations
510 Mixing and related occupations
511 Separating, filtering, and related occupations
512 Melting occupations
513 Roasting occupations
514 Pouring and casting occupations
515 Crushing and grinding occupations
518 Molders, coremakers, and related occupations
519 Ore refining and foundry occupations, n.e.c.

52 Occupations in processing of food, tobacco, and related products
520 Mixing, compounding, blending, kneading, shaping, and related occupations
521 Separating, crushing, milling, chopping, grinding, and related occupations
522 Culturing, melting, fermenting, distilling, saturating, pickling, aging, and related occupations
523 Heating, rendering, melting, drying, cooling, freezing, and related occupations
524 Coating, icing, decorating, and related occupations
525 Slaughtering, breaking, curing, and related occupations
526 Cooking and baking occupations, n.e.c.
529 Occupations in processing of food, tobacco, and related products, n.e.c.

53 Occupations in processing of paper and related materials
530 Grinding, beating, and mixing occupations
532 Cooking and drying occupations
533 Cooling, bleaching, screening, washing, and related occupations
534 Calendering, sizing, coating, and related occupations
535 Forming occupations, n.e.c.
539 Occupations in processing of paper and related materials, n.e.c.

54 Occupations in processing of petroleum, coal, natural and manufactured gas, and related products
540 Mixing and blending occupations
541 Filtering, straining, and separating occupations
542 Distilling, subliming, and carbonizing occupations
543 Drying, heating, and melting occupations
544 Grinding and crushing occupations
546 Reacting occupations, n.e.c.
549 Occupations in processing of petroleum, coal, natural and manufactured gas, and related products, n.e.c.

55 Occupations in processing of chemicals, plastics, synthetics, rubber, paint, and related products
550 Mixing and blending occupations
551 Filtering, straining, and separating occupations
552 Distilling occupations
553 Heating, baking, drying, seasoning, melting, and heat-treating occupations
554 Coating, calendering, laminating, and finishing occupations
555 Grinding and crushing occupations
556 Casting and molding occupations, n.e.c.
557 Extruding occupations
558 Reacting occupations, n.e.c.
559 Occupations in processing of chemicals, plastics, synthetics, rubber, paint, and related products, n.e.c.

56 Occupations in processing of wood and wood products
560 Mixing and related occupations
561 Wood preserving and related occupations
562 Saturating, coating, and related occupations, n.e.c.
563 Drying, seasoning, and related occupations
564 Grinding and chopping occupations, n.e.c.
569 Occupations in processing of wood and wood products, n.e.c.

57 Occupations in processing of stone, clay, glass, and related products
570 Crushing, grinding, and mixing occupations
571 Separating occupations
572 Melting occupations
573 Baking, drying, and heat-treating occupations
574 Impregnating, coating, and glazing occupations
575 Forming occupations
579 Occupations in processing of stone, clay, glass, and related products, n.e.c.

58 Occupations in processing of leather, textiles, and related products
580 Shaping, blocking, stretching, and tentering occupations
581 Separating, filtering, and drying occupations
582 Washing, steaming, and saturating occupations
583 Ironing, pressing, glazing, staking, calendering, and embossing occupations
584 Mercerizing, coating, and laminating occupations
585 Singeing, cutting, shearing, shaving, and napping occupations
586 Felting and fulling occupations
587 Brushing and shrinking occupations
589 Occupations in processing of leather, textiles, and related products, n.e.c.

59 Processing occupations, n.e.c.
590 Occupations in processing products from assorted materials
599 Miscellaneous processing occupations, n.e.c.

MACHINE TRADES OCCUPATIONS

60 Metal machining occupations
600 Machinists and related occupations
601 Toolmakers and related occupations
602 Gear machining occupations
603 Abrading occupations
604 Turning occupations
605 Milling, shaping, and planing occupations
606 Boring occupations
607 Sawing occupations
609 Metal machining occupations, n.e.c.

61 Metalworking occupations, n.e.c.
610 Hammer forging occupations
611 Press forging occupations
612 Forging occupations, n.e.c.
613 Sheet and bar rolling occupations
614 Extruding and drawing occupations
615 Punching and shearing occupations
616 Fabricating machine occupations
617 Forming occupations, n.e.c.
619 Miscellaneous metalworking occupations, n.e.c.

62/63 Mechanics and machinery repairers
620 Motorized vehicle and engineering equipment mechanics and repairers
621 Aircraft mechanics and repairers
622 Rail equipment mechanics and repairers
623 Marine mechanics and repairers
624 Farm mechanics and repairers
625 Engine, power transmission, and related mechanics
626 Metalworking machinery mechanics
627 Printing and publishing mechanics and repairers
628 Textile machinery and equipment mechanics and repairers
629 Special industry machinery mechanics
630 General industry mechanics and repairers
631 Powerplant mechanics and repairers
632 Ordnance and accessories mechanics and repairers
633 Business and commercial machine repairers
637 Utilities service mechanics and repairers
638 Miscellaneous occupations in machine installation and repair
639 Mechanics and machinery repairers, n.e.c.

64 Paperworking occupations
640 Paper cutting, winding, and related occupations
641 Folding, creasing, scoring, and gluing occupations
649 Paperworking occupations, n.e.c.

65 Printing occupations
650 Typesetters and composers
651 Printing press occupations
652 Printing machine occupations
653 Bookbinding-machine operators and related occupations
654 Typecasters and related occupations
659 Printing occupations, n.e.c.

66 Wood machining occupations
660 Cabinetmakers
661 Patternmakers
662 Sanding occupations
663 Shearing and shaving occupations
664 Turning occupations
665 Milling and planing occupations
666 Boring occupations
667 Sawing occupations
669 Wood machining occupations, n.e.c.

67 Occupations in machining stone, clay, glass, and related materials
670 Stonecutters and related occupations
673 Abrading occupations
674 Turning occupations
675 Planing and shaping occupations, n.e.c.
676 Boring and punching occupations
677 Chipping, cutting, sawing, and related occupations
679 Occupations in machining stone, clay, glass, and related materials, n.e.c.

68 Textile occupations
680 Carding, combing, drawing, and related occupations
681 Twisting, beaming, warping, and related occupations
682 Spinning occupations
683 Weavers and related occupations
684 Hosiery knitting occupations
685 Knitting occupations, except hosiery
686 Punching, cutting, forming, and related occupations
687 Tufting occupations
689 Textile occupations, n.e.c.

69 Machine trades occupations, n.e.c.
690 Plastics, synthetics, rubber, and leather working occupations
691 Occupations in fabrication of insulated wire and cable
692 Occupations in fabrication of products from assorted materials
693 Modelmakers, patternmakers, and related occupations
694 Occupations in fabrication of ordnance, ammunition, and related products, n.e.c.
699 Miscellaneous machine trades occupations, n.e.c.

BENCHWORK OCCUPATIONS

70 Occupations in fabrication, assembly, and repair of metal products, n.e.c.
700 Occupations in fabrication, assembly, and repair of jewelry, silverware, and related products
701 Occupations in fabrication, assembly, and repair of tools, and related products
703 Occupations in assembly and repair of sheetmetal products, n.e.c.
704 Engravers, etchers, and related occupations
705 Filing, grinding, buffing, cleaning, and polishing occupations, n.e.c.
706 Metal unit assemblers and adjusters, n.e.c.
709 Miscellaneous occupations in fabrication, assembly, and repair of metal products, n.e.c.

71 Occupations in fabrication and repair of scientific, medical, photographic, optical, horological, and related products
710 Occupations in fabrication and repair of instruments for measuring, controlling, and indicating physical characteristics
711 Occupations in fabrication and repair of optical instruments
712 Occupations in fabrication and repair of surgical, medical, and dental instruments and supplies
713 Occupations in fabrication and repair of ophthalmic goods
714 Occupations in fabrication and repair of photographic equipment and supplies
715 Occupations in fabrication and repair of watches, clocks, and parts
716 Occupations in fabrication and repair of engineering and scientific instruments and equipment, n.e.c.

719 Occupations in fabrication and repair of scientific and medical apparatus, photographic and optical goods, horological, and related products, n.e.c.

72 Occupations in assembly and repair of electrical equipment

720 Occupations in assembly and repair of radio and television receiving sets and phonographs
721 Occupations in assembly and repair of motors, generators, and related products
722 Occupations in assembly and repair of communications equipment
723 Occupations in assembly and repair of electrical appliances and fixtures
724 Occupations in winding and assembling coils, magnets, armatures, and related products
725 Occupations in assembly of light bulbs and electronic tubes
726 Occupations in assembly and repair of electronic components and accessories, n.e.c.
727 Occupations in assembly of storage batteries
728 Occupations in fabrication of electrical wire and cable
729 Occupations in assembly and repair of electrical equipment, n.e.c.

73 Occupations in fabrication and repair of products made from assorted materials

730 Occupations in fabrication and repair of musical instruments and parts
731 Occupations in fabrication and repair of games and toys
732 Occupations in fabrication and repair of sporting goods
733 Occupations in fabrication and repair of pens, pencils, and office and artists' materials, n.e.c.
734 Occupations in fabrication and repair of notions
735 Occupations in fabrication and repair of jewelry, n.e.c.
736 Occupations in fabrication and repair of ordnance and accessories
737 Occupations in fabrication of ammunition, fireworks, explosives, and related products
739 Occupations in fabrication and repair of products made from assorted materials, n. e. c.

74 Painting, decorating, and related occupations

740 Painters, brush
741 Painters, spray
742 Staining, waxing, and related occupations
749 Painting, decorating, and related occupations, n.e.c.

75 Occupations in fabrication and repair of plastics, synthetics, rubber, and related products

750 Occupations in fabrication and repair of tires, tubes, tire treads, and related products
751 Laying out and cutting occupations, n.e.c.
752 Fitting, shaping, cementing, finishing, and related occupations, n.e.c.
753 Occupations in fabrication and repair of rubber and plastic footwear
754 Occupations in fabrication and repair of miscellaneous plastics products
759 Occupations in fabrication and repair of plastics, synthetics, rubber, and related products, n.e.c.

76 Occupations in fabrication and repair of wood products

760 Bench carpenters and related occupations
761 Occupations in laying out, cutting, carving, shaping, and sanding wood products, n.e.c.
762 Occupations in assembling wood products, n.e.c.
763 Occupations in fabrication and repair of furniture, n.e.c.
764 Cooperage occupations
769 Occupations in fabrication and repair of wood products, n.e.c.

77 Occupations in fabrication and repair of sand, stone, clay, and glass products

770 Occupations in fabrication and repair of jewelry, ornaments, and related products
771 Stone cutters and carvers
772 Glass blowing, pressing, shaping, and related occupations, n.e.c.
773 Occupations in coloring and decorating brick, tile, and related products
774 Occupations in fabrication and repair of pottery and porcelain ware
775 Grinding, filing, polishing, frosting, etching, cleaning, and related occupations, n.e.c.
776 Occupations in fabrication and repair of asbestos and polishing products, abrasives, and related materials
777 Modelmakers, patternmakers, moldmakers, and related occupations
779 Occupations in fabrication and repair of sand, stone, clay, and glass products, n.e.c.

78 Occupations in fabrication and repair of textile, leather, and related products

780 Occupations in upholstering and in fabrication and repair of stuffed furniture, mattresses, and related products
781 Laying out, marking, cutting, and punching occupations, n.e.c.
782 Hand sewers, menders, embroiders, knitters, and related occupations, n.e.c.
783 Fur and leather working occupations
784 Occupations in fabrication and repair of hats, caps, gloves, and related products
785 Tailors and dressmakers
786 Sewing machine operators, garment
787 Sewing machine operators, nongarment
788 Occupations in fabrication and repair of footwear
789 Occupations in fabrication and repair of textile, leather, and related products, n.e.c.

79 Bench work occupations, n.e.c.

790 Occupations in preparation of food, tobacco, and related products, n.e.c.
794 Occupations in fabrication of paper products, n.e.c.
795 Gluing occupations, n.e.c.

STRUCTURAL WORK OCCUPATIONS

80 Occupations in metal fabricating, n.e.c.

800 Riveters, n.e.c.
801 Fitting, bolting, screwing, and related occupations
804 Tinsmiths, coppersmiths, and sheet metal workers
805 Boilermakers
806 Transportation equipment assemblers and related occupations
807 Body workers, transportation equipment
809 Miscellaneous occupations in metal fabricating, n.e.c.

81 Welders, cutters, and related occupations

810 Arc welders and cutters
811 Gas welders
812 Resistance welders
813 Brazing, braze-welding, and soldering occupations
814 Solid state welders
815 Electron-beam; electroslag; thermit; induction; and laser-beam welders
816 Thermal cutters and arc cutters
819 Welders, cutters, and related occupations, n.e.c.

82 Electrical assembling, installing, and repairing occupations

820 Occupations in assembly, installation, and repair of generators, motors, accessories, and related powerplant equipment
821 Occupations in assembly, installation, and repair of transmission and distribution lines and circuits
822 Occupations in assembly, installation, and repair of wire communication, detection and signaling equipment
823 Occupations in assembly, installation, and repair of electronic communication, detection, and signaling equipment
824 Occupations in assembly, installation, and repair of lighting equipment and building wiring, n.e.c.
825 Occupations in assembly, installation, and repair of transportation and materials handling equipment, n.e.c.
826 Occupations in assembly, installation, and repair of industrial apparatus, n.e.c.
827 Occupations in assembly, installation, and repair of large household appliances and similar commercial and industrial equipment
828 Occupations in fabrication, installation, and repair of electrical and electronics products, n.e.c.

829	Occupations in installation and repair of electrical products, n.e.c.
84	**Painting, plastering, waterproofing, cementing, and related occupations**
840	Construction and maintenance painters and related occupations
841	Paperhangers
842	Plasterers and related occupations
843	Waterproofing and related occupations
844	Cement and concrete finishing and related occupations
845	Transportation equipment painters and related occupations
849	Painting, plastering, waterproofing, cementing, and related occupations, n.e.c.
85	**Excavating, grading, paving, and related occupations**
850	Excavating, grading, and related occupations
851	Drainage and related occupations
853	Paving occupations, asphalt and concrete
859	Excavating, grading, paving, and related occupations, n.e.c.
86	**Construction occupations, n.e.c.**
860	Carpenters and related occupations
861	Brick and stone masons and tile setters
862	Plumbers, gas fitters, steam fitters, and related occupations
863	Asbestos and insulation workers
864	Floor laying and finishing occupations
865	Glaziers and related occupations
866	Roofers and related occupations
869	Miscellaneous construction occupations, n.e.c.
89	**Structural work occupations, n.e.c.**
891	Occupations in structural maintenance, n.e.c.
899	Miscellaneous structural work occupations, n.e.c.

MISCELLANEOUS OCCUPATIONS

90	**Motor freight occupations**
900	Concrete-mixing-truck drivers
902	Dump-truck drivers
903	Truck drivers, inflammables
904	Trailer-truck drivers
905	Truck drivers, heavy
906	Truck drivers, light
909	Motor freight occupations, n.e.c.
91	**Transportation occupations, n.e.c.**
910	Railroad transportation occupations
911	Water transportation occupations
912	Air transportation occupations
913	Passenger transportation occupations, n.e.c.
914	Pumping and pipeline transportation occupations
915	Attendants and servicers, parking lots and automotive service facilities
919	Miscellaneous transportation occupations, n.e.c.
92	**Packaging and materials handling occupations**
920	Packaging occupations
921	Hoisting and conveying occupations
922	Occupations in moving and storing materials and products, n.e.c.
929	Packaging and materials handling occupations, n.e.c.
93	**Occupations in extraction of minerals**
930	Earth boring, drilling, cutting, and related occupations
931	Blasting occupations
932	Loading and conveying operations
933	Crushing occupations
934	Screening and related occupations
939	Occupations in extraction of minerals, n.e.c.
95	**Occupations in production and distribution of utilities**
950	Stationary engineers
951	Firers and related occupations
952	Occupations in generation, transmission, and distribution of electric light and power
953	Occupations in production and distribution of gas
954	Occupations in filtration, purification, and distribution of water
955	Occupations in disposal of refuse and sewage
956	Occupations in distribution of steam
959	Occupations in production and distribution of utilities, n.e.c.
96	**Amusement, recreation, motion picture, radio and television occupations, n.e.c.**
960	Motion picture projectionists
961	Models, stand-ins, and extras, n.e.c.
962	Occupations in motion picture, television, and theatrical productions, n.e.c.
969	Miscellaneous amusement and recreation occupations, n.e.c.
97	**Occupations in graphic art work**
970	Art work occupations, brush, spray, or pen
971	Photoengraving occupations
972	Lithographers and related occupations
973	Hand compositors, typesetters, and related occupations
974	Electrotypers, stereotypers, and related occupations
976	Darkroom occupations, n.e.c.
977	Bookbinders and related occupations
979	Occupations in graphic art work, n.e.c.

REFERENCE C

Explanation of Data, People and Things

The second set of three digits of the DOT codes represent the worker functions ratings of tasks performed in each occupation. These ratings are based on the premise that every job requires a worker to function in some degree to Data, People and Things. These relationships are identified and explained below. They appear in the form of three listings arranged in each instance from the relatively simple to the complex in such a manner that each successive relationship indicates those that are simpler and excludes the more complex.[39] The identifications attached to these relationships are referred to as worker functions and provide standard terminology for use in summarizing exactly what a worker does on the job.

A job's relationship to Data, People and Things can be expressed in terms of the lowest number function in each sequence. These functions taken together indicate the total level of complexity at which the worker performs. The fourth, fifth and sixth digits of the occupational code numbers reflect relationships of Data, People and Things, respectively.[40] These digits express a job's relationship to Data, People and Things by identifying the highest appropriate function in each listing as reflected by the following table:

DATA (4th digit)	PEOPLE (5th digit)	THINGS (6th digit)
0 Synthesizing	0 Mentoring	0 Setting-Up
1 Coordinating	1 Negotiating	1 Precision Working
2 Analyzing	2 Instructing	2 Operating-Controlling
3 Compiling	3 Supervising	3 Driving-Operating
4 Computing	4 Diverting	4 Manipulating
5 Copying	5 Persuading	5 Tending
6 Comparing	6 Speaking-Signaling	6 Feeding-Offbearing
	7 Serving	7 Handling
	8 Taking Instructions-Helping	

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[39] As each of the relationships of People represents a wide range of complexity, resulting in considerable overlap among occupations, their arrangement is somewhat arbitrary and can be considered a hierarchy only in the most general sense.

[40] Only those relationships which are occupationally significant in terms of requirements of the job are reflected in the code numbers. The incidental relationships which every worker has to Data, People and Things, but which do not seriously affect successful performance of the essential duties of the job, are not reflected.

Definitions of Worker Functions

DATA: Information, knowledge, and conceptions, related to data, people or things, obtained by observation, investigation, interpretation, visualization, and mental creation. Data are intangible and include numbers, words, symbols, ideas, concepts, and oral verbalization.

0 Synthesizing: Integrating analyses of data to discover facts and/or develop knowledge concepts or interpretations.

1 Coordinating: Determining time, place, and sequence of operations or action to be taken on the basis of analysis of data; executing determination and/or reporting on events.

2 Analyzing: Examining and evaluating data. Presenting alternative actions in relation to the evaluation is frequently involved.

3 Compiling: Gathering, collating, or classifying information about data, people, or things. Reporting and/or carrying out a prescribed action in relation to the information is frequently involved.

4 Computing: Performing arithmetic operations and reporting on and/or carrying out a prescribed action in relation to them. Does not include counting.

5 Copying: Transcribing, entering, or posting data.

6 Comparing: Judging the readily observable functional, structural, or compositional characteristics (whether similar to or divergent from obvious standards) of data, people, or things.

PEOPLE: Human beings; also animals dealt with on an individual basis as if they were human.

0 Mentoring: Dealing with individuals in terms of their total personality in order to advise, counsel, and/or guide them with regard to problems that may be resolved by legal, scientific, clinical, spiritual, and/or other professional principles.

1 Negotiating: Exchanging ideas, information, and opinions with others to formulate policies and programs and/or arrive jointly at decisions, conclusions, or solutions.

2 Instructing: Teaching subject matter to others, or training others (including animals) through explanation, demonstration, and supervised practice; or making recommendations on the basis of technical disciplines.

3 Supervising: Determining or interpreting work procedures for a group of workers, assigning specific duties to them, maintaining harmonious relations among them, and promoting efficiency. A variety of responsibilities is involved in this function.

4 Diverting: Amusing others. (Usually accomplished through the medium of stage, screen, television, or radio.)

5 Persuading: Influencing others in favor of a product, service, or point of view.

6 Speaking-Signaling: Talking with and/or signaling people to convey or exchange information. Includes giving assignments and/or directions to helpers or assistants.

7 Serving: Attending to the needs or requests of people or animals or the expressed or implicit wishes of people. Immediate response is involved.

8 Taking Instructions-Helping: Helping applies to "non-learning" helpers. No variety of responsibility is involved in this function.

THINGS: Inanimate objects as distinguished from human beings, substances or materials; machines, tools, equipment and products. A thing is tangible and has shape, form and other physical characteristics.

0 Setting Up: Adjusting machines or equipment by replacing or altering tools, jigs, fixtures, and attachments to prepare them to perform their functions, change their performance, or restore their proper functioning if they break down. Workers who set up one or a number of machines for other workers or who set up and personally operate a variety of machines are included here.

1 Precision Working: Using body members and/or tools or work aids to work, move, guide, or place objects or materials in situations where ultimate responsibility for the attainment of standards occurs and selection of appropriate tools, objects, or materials, and the adjustment of the tool to the task require exercise of considerable judgment.

2 Operating-Controlling: Starting, stopping, controlling, and adjusting the progress of machines or equipment. Operating machines involves setting up and adjusting the machine or material(s) as the work progresses. Controlling involves observing gages, dials, etc., and turning valves and other devices to regulate factors such as temperature, pressure, flow of liquids, speed of pumps, and reactions of materials.

3 Driving-Operating: Starting, stopping, and controlling the actions of machines or equipment for which a course must be steered, or which must be guided, in order to fabricate, process, and/or move things or people. Involves such activities as observing gages and dials; estimating distances and determining speed and direction of other objects; turning cranks and wheels; pushing or pulling gear lifts or levers. Includes such machines as cranes, conveyor systems, tractors, furnace charging machines, paving machines and hoisting machines. Excludes manually powered machines, such as handtrucks and dollies, and power assisted machines, such as electric wheelbarrows and handtrucks.

4 Manipulating: Using body members, tools, or special devices to work, move, guide, or place objects or materials. Involves some latitude for judgment with regard to precision attained and selecting appropriate tool, object, or material, although this is readily manifest.

5 Tending: Starting, stopping, and observing the functions of machines and equipment. Involves adjusting materials or controls of the machine, such as changing guides, adjusting timers and temperature gages, turning valves to allow flow of materials, and flipping switches in response to lights. Little judgment is involved in making these adjustments.

6 Feeding-Offbearing: Inserting, throwing, dumping, or placing materials in or removing them from machines or equipment which are automatic or tended or operated by other workers.

7 Handling: Using body members, handtools, and/or special devices to work, move or carry objects or materials. Involves little or no latitude for judgment with regard to attainment of standards or in selecting appropriate tool, object, or material.

REFERENCE D

Relating General Education Development (GED) to Career Planning

Each occupation in the DOT has been assigned a series of subcodes which provide supplementary information about the occupation. One of these subcodes is for General Education Development (GED). The GED code is a three-digit number which indicates the reasoning (R), mathematical (M) and language (L) development levels that a worker should possess upon entering a given job.

GED levels range from one (1), the lowest level of complexity, to six (6), the highest level of complexity. The GED levels are cumulative; that is, each ascending level indicates a set of abilities and knowledges which are required in addition to all the abilities described at the lower levels. For example, a GED level of (R) 3, (M) 3, and (L) 3 means that a person must possess all the abilities listed in GED levels 1, 2 and 3 for reasoning, mathematics and language.

The following charts, taken from Relating General Educational Development to Career Planning,[41] further detail each of the GED's six levels for each factor (reasoning, mathematics and language) in terms of a composite of what is currently being taught in traditional academic settings in the United States. These charts do not address experimental or highly specialized training programs; therefore, the mathematical and language terminology may differ from that utilized in nontraditional settings.

It should be noted that the descriptions of the GED levels associated with the educational achievement composites differ from those in the GED scale on page 41. This difference is due to the fact that the publication which contained the educational composites was published in 1971 while the revised GED scale was issued one year later. The Department of Labor, at the present time, does not have any plans to revise the publication, Relating General Educational Development to Career-Planning, in which the educational attainment composites are related to the GED levels. However, the basic principles and concepts remain the same and educators have found that they are still useful. Therefore, the charts relating educational attainment and GED levels are being included in this publication.

The information contained on the following pages can aid in the development of a curriculum which is reflective of occupational requirements in terms of levels of reasoning, mathematics and language needed for successful performance on the job. Pages 17 and 18 of this publication provide additional information about and specific examples for the utilization of GED levels for curriculum development.

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[41] U.S. Department of Labor, Relating General Educational Development to Career Planning (Washington: U.S. Government Printing Office, 1971).

(Grades 1-3)

GED level I

REASONING DEVELOPMENT:	MATHEMATICAL DEVELOPMENT:	LANGUAGE DEVELOPMENT:
Apply common sense understanding to carry out simple one- or two-step instructions. Deal with standardized situations with occasional or no variables in or from these situations encountered on the job.	Counting and addition and subtraction of two-place numbers. Develop familiarity with standard units of measurement, and with basic measuring equipment, such as clocks, rulers, and scales.	Read, speak and print simple sentences containing subject, verb, and object, using present and past tenses.

MATHEMATICS CURRICULUM

Counting:	By twos, threes, fours, and fives.
Space Value:	Understanding the principle of place value of whole numbers. Column value (in multiples of 10) in a series of digits: the number 6437 presents 7 ones; 3 tens; 4 hundreds; and 6 thousands. Value of zero as placeholder; difference between 470, 407, 47.
Roman Numerals:	Understanding principles of notation. Symbol to right, add: XI = 10+1. Symbol to left, subtract: IX = 10-1.
Ordinal Numbers:	To 31st. Learning proper endings: 1st; 2nd; 3rd; 4th.
Addition:	3-place numbers: $\begin{array}{r}567\\ \underline{+642}\end{array}$ Decimal as ¢: $\begin{array}{r}1.25\\ \underline{+\ .35}\end{array}$
Subtraction:	3-place numbers: $\begin{array}{r}359\\ \underline{-216}\end{array}$ Decimal as ¢: $\begin{array}{r}3.27\\ \underline{-1.16}\end{array}$
Multiplication:	1-digit multiplier: $\begin{array}{r}2.05\\ \underline{\times\ .3}\end{array}$
Division:	1-digit divisor: $2\ /\overline{\,426}$
Fractions:	Addition of simple fractions.
Terms and Symbols:	Knowledge of signs such as -, +, =, x, $/\overline{\quad}$. Introduction to terms such as sum, remainder, difference, multiplier, divisor.
Measurement:	Read clock, calendar, thermometer, yardstick, scales. Knowledge of units such as teaspoon, tablespoon, cup, pint, quart, inch, foot, yard, dozen, ounce.

Geometric Concepts:	Recognize geometric forms such as line, square, triangle, rectangle, cube, cylinder, sphere. Understand meaning of terms such as "volume" and "perimeter."
Practical Applications:	Perform the four basic arithmetic operations with parts of dollar.

LANGUAGE CURRICULUM

Punctuation:	Use of period, question mark, comma, exclamation point, quotation marks.
Capitalization:	Names of places, persons, days, months, years, titles.
Grammar:	Rote learning of correct usage of present and past tenses of common verbs, such as: run, do and go; and pronouns, such as: I, me, he, him, they, them.
Reference Works:	Introduction to the use of the dictionary and encyclopedia.
Spelling:	Learning to spell, through repetition and correction, words which are part of everyday vocabulary. Learning phonetic and structural principles.
Reading:	Introduction to the printed word. Emphasis placed on relating written word to spoken word; acquisition of vocabulary; reinforcing correct grammatical usage; stimulating thought.
Composition:	Emphasis on legibility, spelling punctuation and initial capitalization, word order, and forming complete sentences and paragraphs.
Speaking:	Learning to participate in conversations and discussions. Emphasis on clarity, enunciation, pronunciation, grammar, and voice modulation. Oral reports, such as "Show and Tell," including information such as "who, what, where, when, why."
Handwriting:	Mainly manuscript printing; introduction to cursive writing in 2nd or 3rd grade.

(Grades 4-6)

GED level 2

REASONING DEVELOPMENT:

Apply common sense understanding to carry out detailed but uninvolved written or oral instructions. Deal with problems involving a few concrete variables in or from standardized situations.

MATHEMATICAL DEVELOPMENT:

Perform the four basic arithmetic operations, using whole numbers, and common and decimal fractions. Develop knowledge of standard units of measure, and their interrelationships.

LANGUAGE DEVELOPMENT:

Read, write, and speak compound and complex sentences using adjectives and adverbs, and varying word order in phrases, clauses and sentences. Discern and organize facts and opinions for written and oral communication.

MATHEMATICS CURRICULUM

Numbers:	Read and write 7-digit numbers. Learn ordinals through "thousands."
Counting:	By fractions and decimal fractions.
Place Value:	Place values of numbers to left and right of decimal point.
Addition:	Multi-digit columns.
Subtraction:	Multi-digit columns.
Multiplication:	Two or three-digit multipliers.
Division:	Two or three-digit divisors.
Fractions:	Add, subtract, multiply, and divide common and decimal fractions, mixed numbers, improper fractions. Introduction to ratio and rate, percent; change fractions to decimal fractions and to percent.
Part-Whole Relationships:	Introduction to reasoning and analysis of problems such as finding a part of a number; finding the whole when a part is given.
Geometric Concepts:	Learning meanings of terms such as radius, diameter, perimeter, circumference, area of rectangle and volume. Construct graphs, charts, and tables. Construct simple geographic forms such as arcs, triangles and perpendiculars.
Measurement:	Learn relationships of standard units of measurement to each other. Convert units of measure to smaller or larger units, such as inches to feet, acres to square miles, hours to days, minutes to seconds, or ounces to pounds.

LANGUAGE CURRICULUM

Punctuation: Apostrophe, hyphen, colon.

Grammar: Learn to use mature sentence forms (compound and complex) with variation of word order in phrases, clauses, and sentences. Introduction to comparison of objectives and adverbs; compound subject and predicate; agreement of subject and verb; common and proper nouns; personal pronouns; singular and plural forms.

Reference Works: Study of the dictionary to learn syllabication accent and diacritial marks such as macron (-), breve (v), double dot and single dot as an aid to pronunciation. Study of road maps, time tables, and entertainment guides to determine distances between cities, report on transportation schedules and discuss merits of available entertainment. Obtain library card and locate books, using index file.

Reading: Learn roots, prefixes, and suffixes. Learn to read discriminately, distinguishing between essential and unessential material. Enrich vocabulary with wide selection of reading material. Introduction to magazines, newspaper, bulletins, etc.

Composition: Write reports on class discussions, hobbies, and trips, with emphasis on variety of sentence structure, grammar, selection of words to clearly express thought, and reinforcing and increasing vocabulary. Make outlines; practice techniques of letter writing and news writing.

Speaking: Practice reading aloud to improve enunciation, pronunciation, inflection, and phrasing. Play part in a skit, or act out a scene based on own experience to learn to express feelings vocally. Learn and practice courtesies in social situations such as allowing others to express their viewpoints without interruption or ridicule. Relate personal experiences to group.

Handwriting: Cursive writing; emphasis on legibility and facility in writing.

(Grades 7-8)

GED level 3

REASONING DEVELOPMENT:	MATHEMATICAL DEVELOPMENT:	LANGUAGE DEVELOPMENT:
Apply common sense understanding to carry out instructions furnished in written, oral, or diagrammatic form. Deal with problems involving several concrete variables in or from standardized situations.	Compute discount, interest, percentage, surface areas, values, weights, and measures, using four basic arithmetic operations.	Selective reading of text books, and other material to extract essential theme or idea. Compose themes, reports and essays following rules of grammar, spelling, neatness and format.

MATHEMATICS CURRICULUM

Whole Numbers:	Mastery of the four basic arithmetic operations. Emphasis on speed and accuracy in computation. Extension to 4- and 5-digit multipliers and divisors.
Fractions:	Mastery of the four basic arithmetic operations in common, decimal and improper fractions and mixed numbers. Apply knowledge to solve "story problems." Develop speed and accuracy in changing fractions into percent and percent into fractions. Memorize most common equivalents, such as halves, quarters, eighths, fifths, thirds, sixths, and twelfths, and mentally convert time to decimal fractions and percents.
Percentage Formulas:	Memorize and apply formulas to solve "story problems," as: $P = RB \qquad R=\frac{P}{B} \qquad B=\frac{P}{R}$
Measurements:	Perform the four basic arithmetic functions to solve problems involving different units of same type of measurement, as: Time: 4 wks. 6 days 32 hrs. +2 wks. 3 days 25 hrs.
Graphs:	Learn to construct and interpret line, bar, and picture graph. Convert degrees to percent to draw circle graphs.
Percentage	Apply knowledge of percentage to compute interest, discount, etc.

Geometry:	Recognize and understand meanings of terms such as horizontal, vertical, perpendicular, oblique and obtuse. Learn number of degrees in a circle, relationship between angles and degrees, types of triangles: equilateral, isosceles, right and obtuse. Types of parallelograms: oblong, square, rhomboid, and rhombus. Learn formulas for finding area of geometric figures.
Algebra:	Learn use of symbols for numbers, terms such as exponent and power. Learn to find square roots.
Ratio & Proportion:	Learn to use ratio and proportion to solve problems.

LANGUAGE CURRICULUM

Punctuation:	Comma, colon, semi-colon, dash, parentheses, quotation marks, hyphen, abbreviations.
Reference Works:	Utilize dictionary to learn alphabetical order, guide works, diacritical marks, synonyms and antonyms. Use encyclopedia, atlases, magazines, and source books to prepare class assignments.
Handwriting:	Develop individualized style of writing.
Grammar:	Learn concepts of person, gender, number, case, tense, mood, and voice. Learn kinds of verbs, nouns, pronouns, adjectives, adverbs, conjunctions, prepositions. Learn to diagram sentences. Learn normal inverted word order, contractions, agreement of subjects and verbs, pronouns, and antecedents.
Reading:	Read to find main thought or idea of a paragraph. Locate topic and summary sentence, and identify details and relate them to central thought.
Composition:	Prepare themes, reports, and essays, with greater emphasis placed on punctuation, spelling, grammar, format, style, neatness, arrangement, and comprehensive coverage of subject matter.
Speaking:	Practice speaking before an audience to acquire poise, self-control, and confidence. Participate as group leader or group member in planned informal discussion. Participate in class elections and persuade others to vote for him or his candidate.

(Grades 9-12)

GED level 4

REASONING DEVELOPMENT:	MATHEMATICAL DEVELOPMENT:	LANGUAGE DEVELOPMENT:
Apply principles of rational systems to solve practical problems and deal with a variety of concrete variables in situations where only limited standardization exists, interpret a variety of instructions furnished in written, oral, diagrammatic or scheduled form.	Perform arithmetic, algebraic and geometric operations as applied to standard situations; perform shop mathematics operations in practical application to the manual arts.	Speak on a variety of subjects, or compose business letters, reports, summaries or expositions conforming to rules of grammar, continuity, diction, coordination, length of harmony and sequences of sentences and paragraphs.

MATHEMATICS CURRICULUM

Algebra:	Formal study of number systems; sets, and set operation. Operations on polynomials and rational expressions; solution of equations and inequalities; use of deduction and proof. Study of the systems of real numbers; linear, quadratic, rational, exponential, logarithmic, angle, and circular functions; inverse functions; related algebraic functions, limits and continuity, probability, and statistical inference.
Geometry:	Study of deductive axiomatic geometry, plane, and solid, using the properties of real numbers; the introduction and use of rectangular coordinates. Extension of trigonometry and solid geometry.

Technical/Vocational School

Shop Math:	Review and extension of principles of common and decimal fractions, percentage, ratio, and proportion. Practical computation, logarithms, slide rule. Practical algebra. Metric geometry. Essentials of trigonometry. Formulas for computing ratios of pulleys and gears. Practical physics: formulas for work and power, etc.

LANGUAGE CURRICULUM

Punctuation:	Review and mastery of all rules of punctuation and capitalization.
Reference Works:	Dictionary, encyclopedia, atlas, thesaurus, manuals, periodicals, newspapers, journals, books, and play reviews.

Grammar:	Mastery and facility in the use of the rules and concepts of person, gender, number, case, tense and mood.
Parts of Speech:	Verbs: Strong and weak, transitive and intransitive, auxiliary, regular. Conjugation.
	Nouns: Common and proper, collective, concrete and abstract inflections; gender.
	Pronouns: Personal, demonstrative, relative, numerical, reciprocal.
	Adjectives: Common, proper, descriptive, limiting, articles position in sentence; comparative degrees.
	Adverbs: Simple, conjunctive; forms; comparison.
	Conjunctions: Coordinating, subordinating.
	Interjections.
	Prepositions.
Reading:	Variety of textbooks; fiction and non-fiction; newspapers; magazines.
Compositions:	Preparation of outlines; preparation of themes, emphasizing length, harmony, sequence, and variety of sentences and paragraph structure. Selection of wordage according to subject matter and audience. Coordination, subordination and parallelism of thoughts.
Speaking:	Participation in panel discussions and dramatizations. Practice of social introductions and other amenities. Presentation of impromptu speeches to develop skill in extemporaneous speaking.

(College 1-2)

GED level 5

REASONING DEVELOPMENT:	MATHEMATICAL DEVELOPMENT:	LANGUAGE DEVELOPMENT:
Apply principles of logical or scientific thinking to define problems, collect data, establish facts and draw valid conclusions. Interpret an extensive variety of technical instructions, in books, manuals, or mathematical or diagrammatic form. Deal with several abstract or concrete variables.	Apply knowledge of established statistical and mathematical techniques in the analysis and evaluation of data.	Read or write speeches, book and play reviews, scientific and technical materials, abstracts, financial reports and legal documents. Be conversant in the theory principles and methods of effective and persuasive speaking including voice, diction and phonetics, in discussion and debate.

MATHEMATICS CURRICULUM

College Algebra:	Exponents and logarithms; linear equations, quadratic equation, mathematical induction, and binomial theorem.
General Math:	General introduction to the concepts of algebra, plane geometry, trigonometry, and calculus.
Calculus:	Elementary concepts of analytic geometry; differentiation and integration of algebraic functions and transcendental functions with application. Vector concepts; improper integrals, polar coordination and infinite series. Integration and partial differentiations; solid geometry; differential equation.
Introduction to Mathematical Logic:	Development of propositional and predicate calculi, basic sematic concepts and elementary intuitive set theory.
Introduction to Matrix Theory:	Elementary theory of finite vector spaces, determinates, equivalence, matrices with polynomial elements, similarity of matrices.
Statistics:	Graphic presentations illustrating average, dispersions, quartiles and percentiles, frequency distribution, reliability, and validity of tests. Applied to psychology and education, analysis of variance, correlation techniques, chi-square, and sampling techniques. Applied to busienss and economics, introduction to the principles and use of linear programming, game theory and queuing theory.

Mathematics of Finance:	Interest and discount, annuities, valuation of stocks and bonds; sinking funds, amortization, valuation of depletable assets.
Factor Analysis:	Matrix theory as applied to factor analysis; introduction to concepts of factor analysis and their utility in phases of research.
Quality Control Techniques:	Application of probability and distribution theory to industrial control problems; use of quality charts; acceptance sampling plans.
Introduction to Mathematical Probability:	Probability distributions, Bayes' theorem and postulate Bernoulli's theorem and its experimental verification; mathematical expectation; laws of large numbers.

LANGUAGE CURRICULUM

Reading:	Literature, book, and play reviews, scientific and technical journals, abstract, financial reports, legal, historical and medical documents, periodicals.
Composition:	Analysis and practice of expository techniques with emphasis on organization of material and development of unity.
Logic:	Study of the principles of inductive and deductive reasoning such as testing evidence, validity of generalizations, and cause and effect relationships to detect fallacies in arguments and to avoid these errors in own writing.
Rhetoric:	Study of the collection, arrangement, and expression of subject matter to persuade or instill an acceptance of ideas in the mind of the reader.
Creative Writing:	Develop a free and independent skill in writing, based on own knowledge and experience.
Narrative Writing:	Develop a sequential and descriptive style of writing.
Playwriting:	Study and application of theory of dramatic writing.
Speaking:	Effective Speaking: Study in the selection, organization of material and delivery of speech. Development of voice control, poise, and confidence. Persuasive Speaking: Emphasis on composition of speech and principles of persuasion. Phonetics: Study and classification of sounds of speech.

Speaking:

Discussion and Debate: Study of types and principles of public and group discussions. Methods in leading discussion; practice in argumentation and debate.

Voice and Diction: Study of standards of speech. Record speech and study recording to develop voice quality and control volume, pitch, and rate.

(College 3-4)

GED level 6

REASONING DEVELOPMENT:	MATHEMATICAL DEVELOPMENT:	LANGUAGE DEVELOPMENT:
Apply principles of logical and scientific thinking to a wide range of intellectual and practical problems. Deal with nonverbal symbolism (formulas, scientific equations, graphs, musical notes, etc.) in its most difficult phases. Deal with a variety of abstract and concrete variables. Comprehend the most abstruse classes of concepts.	Apply knowledge of established and theoretical mathematical and statistical concepts in the field of research and development.	Same as level V

MATHEMATICS CURRICULUM:

Advanced Calculus:	Limits, continuity, real number system, mean value theorems, partial differentiation, implicit function theorems, transformations, mappings, vector fields, multiple integrals, line and surface integrals, point set theory, theory of integration improper integrals.
Generalized Functions & Operational Methods:	Theory of generalized functions in one variable. Operational calculus of generalized functions. Applications to partial differential and convolution equations of applied mathematics.
Modern Algebra:	Fundamental concepts of theories of groups, rings, and fields, theory of finite fields, extension fields, Galois groups, factorization theory in Gaussian domains.
Topics in Matrix Theory:	Theory of linear transformations (vector spaces over a division ring), advanced classical theory, matrix representation of groups and rings.
Other:	Theory of linear transformations and equations; theory of numbers; infinite series; mathematical logic; theory of functions of a complex variable; differential geometry; introduction to algebraic geometry; calculus of variation; general topology; numerical analysis.
Mathematical Statistics:	Distribution theory, sampling theory, estimation, hypothesis testing, confidence methods, regression analysis, experimental design. Distribution functions; sequences of random variables and their analysis; characteristic functions, linear statistical estimation. Time series, multivariate theory, probability spaces, random variables.

Mathematical Probability and Application:	Combinatorial analysis, conditional probability and stochastic independence, probability distribution, laws of large numbers, recurrent events, random walks.
Statistical Inference:	Estimation: Methods in point estimation-moments, last squares, maximum likelihood, confidence and fiducial intervals, odds and odds ratio, Bayesian inference, ignorance and diffuse prior distributions.

LANGUAGE CURRICULUM

Same as level V

REFERENCE E

Standard Occupational Classification (SOC)

This reference includes a listing of the two-, three-, and four-digit codes and associated titles comprising the Standard Occupational Classification (SOC), 1980 Edition. The SOC contains a coding system and nomenclature that covers all occupations in which work is performed for pay or profit, including work performed in family operated enterprises where direct remuneration may not be made to family members.

The SOC is structured on a four-level system: division, major group, minor group, and unit group. (Major groups, minor groups and unit groups are indicated by a two-, three-, or four-digit code respectively.) Each level represents groupings in successively finer detail which enables the user to tabulate or analyze data on different levels of aggregation. Residual categories are established, where necessary, at all levels to handle groups of occupations that do not warrant separate identification or do not fit into one of the specific groups.

The following list of codes and titles was obtained from pages 18 through 31 of the Standard Occupational Classification Manual, 1980 Edition. For a more detailed discussion and explanation of the SOC, refer to pages 53 to 57 of this publication or to the Standard Occupational Classification Manual, 1980 Edition.

Executive, Administrative and Managerial Occupations

11 OFFICIALS AND ADMINISTRATORS, PUBLIC ADMINISTRATION
111 LEGISLATORS
112 CHIEF EXECUTIVES AND GENERAL ADMINISTRATORS
113 OFFICIALS AND ADMINISTRATORS, GOVERNMENT AGENCIES
1131 Judicial, Public Safety and Corrections Administrators
1132 Human Resources Program Administrators
1133 Natural Resources Program Administrators
1134 Rural, Urban, and Community Development Program Administrators
1135 Public Finance, Taxation, and Other Monetary Program Administrators
1139 Officials and Administrators, Public Adminstration, Not Elsewhere Classified
12-13 OFFICIALS AND ADMINISTRATORS, OTHER
121 GENERAL MANAGERS AND OTHER TOP EXECUTIVES
122 FINANCIAL MANAGERS
123 PERSONNEL AND LABOR RELATIONS MANAGERS
124 PURCHASING MANAGERS
125 MANAGERS; MARKETING, ADVERTISING, AND PUBLIC RELATIONS
126 MANAGERS; ENGINEERING, MATHEMATICS, AND NATURAL SCIENCES
127 MANAGERS; SOCIAL SCIENCES AND RELATED FIELDS
128 ADMINISTRATORS; EDUCATION AND RELATED FIELDS
1281 Administrators; Colleges and Universities
1282 Administrators; Elementary and Secondary Education
1283 Administrators; Education and Related Fields, Not Elsewhere Classified
131 MANAGERS; MEDICINE AND HEALTH
132 PRODUCTION MANAGERS, INDUSTRIAL
133 CONSTRUCTION MANAGERS
134 PUBLIC UTILITIES MANAGERS
1341 Communications Operations Managers
1342 Transportation Facilities and Operations Managers
1343 Electricity, Gas, Water Supply, and Sanitary Services Managers
1344 Postmasters and Mail Superintendents
135 MANAGERS; SERVICE ORGANIZATIONS
1351 Managers; Food Serving and Lodging Establishments
1352 Managers; Entertainment and Recreation Facilities
1353 Managers; Property and Leasing
1354 Managers; Membership Organizations
1359 Managers; Service Organizations, Not Elsewhere Classified
136 MANAGERS; MINING, QUARRYING, WELL DRILLING, AND SIMILAR OPERATIONS
137 MANAGERS: ADMINISTRATIVE SERVICES
139 OFFICIALS AND ADMINISTRATORS; OTHER, NOT ELSEWHERE CLASSIFIED
14 MANAGEMENT RELATED OCCUPATIONS
141 ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS
1412 Accountants and Auditors
1414 Underwriters
1415 Loan Officers
1419 Other Financial Officers
142 MANAGEMENT ANALYSTS
143 PERSONNEL, TRAINING, AND LABOR RELATIONS SPECIALISTS
144 PURCHASING AGENTS AND BUYERS
1442 Buyers, Wholesale and Retail Trade, except Farm Products
1443 Purchasing Agents and Buyers, Farm Products
1449 Purchasing Agents and Buyers, Not Elsewhere Classified
145 BUSINESS AND PROMOTION AGENTS
147 INSPECTORS AND COMPLIANCE OFFICERS
1472 Construction Inspectors
1473 Inspectors and Compliance Officers, except Construction
149 MANAGEMENT RELATED OCCUPATIONS, NOT ELSEWHERE CLASSIFIED

Engineers, Surveyors and Architects

16 ENGINEERS, SURVEYORS AND ARCHITECTS
161 ARCHITECTS
162-3 ENGINEERS

1622 Aerospace Engineers
1623 Metallurgical and Materials Engineers
1624 Mining Engineers
1625 Petroleum Engineers
1626 Chemical Engineers
1627 Nuclear Engineers
1628 Civil Engineers
1632 Agricultural Engineers
1633 Electrical and Electronic Engineers
1634 Industrial Engineers
1635 Mechanical Engineers
1636 Computer Engineers
1637 Marine Engineers and Naval Architects
1639 Engineers, Not Elsewhere Classified
164 SURVEYORS AND MAPPING SCIENTISTS
1643 Land Surveyors
1644 Cartographers
1649 Surveyors and Mapping Scientists, Not Elsewhere Classified

Natural Scientists and Mathematicians

17 COMPUTER, MATHEMATICAL, AND OPERATIONS RESEARCH OCCUPATIONS
171 COMPUTER SCIENTISTS
1712 Computer Systems Analysts
1719 Computer Scientists, Not Elsewhere Classified
172 OPERATIONS AND SYSTEMS RESEARCHERS AND ANALYSTS
1721 Operations Researchers and Analysts
1722 Systems Researchers and Analysts, Except Computer
173 MATHEMATICAL SCIENTISTS
1732 Actuaries
1733 Statisticians
1739 Mathematical Scientists, Not Elsewhere Classified
18 NATURAL SCIENTISTS
184 PHYSICAL SCIENTISTS
1842 Astronomers
1843 Physicists
1845 Chemists, Except Biochemists
1846 Atmospheric and Space Scientists
1847 Geologists
1849 Physical Scientists, Not Elsewhere Classified
185 LIFE SCIENTISTS
1852 Forestry and Conservation Scientists
1853 Agricultural and Food Scientists
1854 Biological Scientists
1855 Medical Scientists

Social Scientists, Social Workers, Religious Workers, and Lawyers

19 SOCIAL SCIENTISTS AND URBAN PLANNERS
191 SOCIAL SCIENTISTS
1912 Economists
1913 Historians
1914 Political Scientists
1915 Psychologists
1916 Sociologists
1919 Social Scientists, Not Elsewhere Classified
192 URBAN AND REGIONAL PLANNERS
20 SOCIAL, RECREATION, AND RELIGIOUS WORKERS
203 SOCIAL AND RECREATION WORKERS
2032 Social Workers
2033 Recreation Workers
204 RELIGIOUS WORKERS
2042 Clergy
2049 Religious Workers, Not Elsewhere Classified
21 LAWYERS AND JUDGES
211 LAWYERS
212 JUDGES

Teachers, Librarians, and Counselors

22 TEACHERS; COLLEGE, UNIVERSITY AND OTHER POSTSECONDARY INSTITUTION
2212 Atmospheric, Earth, Marine, and Space Sciences Teachers
2213 Biological Sciences Teachers
2214 Chemistry Teachers
2215 Physics Teachers
2216 Natural Sciences Teachers, Not Elsewhere Classified
2217 Psychology Teachers
2218 Economics Teachers
2222 History Teachers
2223 Political Science Teachers
2224 Sociology Teachers
2225 Social Sciences Teachers, Not Elsewhere Classified
2226 Engineering Teachers
2227 Mathematical Sciences Teachers
2228 Computer Science Teachers
2231 Medical Science Teachers
2232 Health Specialties Teachers, Not Elsewhere Classified
2233 Business, Commerce and Marketing Teachers
2234 Agriculture Teachers
2235 Art, Drama, and Music Teachers
2236 Physical Education Teachers
2237 Education Teachers
2238 English Teachers
2242 Foreign Language Teachers
2243 Law Teachers
2244 Social Work Teachers
2245 Theology Teachers
2246 Trade and Industrial Teachers
2247 Home Economics Teachers
2249 Teachers; Postsecondary, Not Elsewhere Classified
23 TEACHERS, EXCEPT POSTSECONDARY INSTITUTION
231 PREKINDERGARTEN AND KINDERGARTEN TEACHERS
232 ELEMENTARY SCHOOL TEACHERS
233 SECONDARY SCHOOL TEACHERS
235 TEACHERS; SPECIAL EDUCATION
236 INSTRUCTIONAL COORDINATORS
239 ADULT EDUCATION AND OTHER TEACHERS, NOT ELSEWHERE CLASSIFIED
24 VOCATIONAL AND EDUCATIONAL COUNSELORS
25 LIBRARIANS, ARCHIVISTS, AND CURATORS
251 LIBRARIANS
252 ARCHIVISTS AND CURATORS

Health Diagnosing and Treating Practitioners

26 PHYSICIANS AND DENTISTS
261 PHYSICIANS
262 DENTISTS
27 VETERINARIANS
28 OTHER HEALTH DIAGNOSING AND TREATING PRACTITIONERS
281 OPTOMETRISTS
283 PODIATRISTS
289 HEALTH DIAGNOSING AND TREATING PRACTITIONERS, NOT ELSEWHERE CLASSIFIED

Registered Nurses, Pharmacists, Dietitians, Therapists, and Physician's Assistants

29 REGISTERED NURSES
30 PHARMACISTS, DIETITIANS, THERAPISTS, AND PHYSICIAN'S ASSISTANTS
301 PHARMACISTS
302 DIETITIANS
303 THERAPISTS
3031 Respiratory Therapists
3032 Occupational Therapists
3033 Physical Therapists
3034 Speech Pathologists and Audiologists

3039 Therapists, Not Elsewhere Classified
304 PHYSICIAN'S ASSISTANTS

Writers, Artists, Entertainers, and Athletes

32 WRITERS, ARTISTS, PERFORMERS, AND RELATED WORKERS
321 AUTHORS
322 DESIGNERS
323 MUSICIANS AND COMPOSERS
324 ACTORS AND DIRECTORS
325 PAINTERS, SCULPTORS, CRAFT-ARTISTS AND ARTIST-PRINTMAKERS
326 PHOTOGRAPHERS
327 DANCERS
328 PERFORMERS, NOT ELSEWHERE CLASSIFIED
329 WRITERS, ARTISTS, AND RELATED WORKERS; NOT ELSEWHERE CLASSIFIED
33 EDITORS, REPORTERS, PUBLIC RELATIONS SPECIALISTS, AND ANNOUNCERS
331 EDITORS AND REPORTERS
3312 Editors
3313 Reporters
332 PUBLIC RELATIONS SPECIALISTS AND PUBLICITY WRITERS
333 RADIO, TELEVISION AND OTHER ANNOUNCERS
34 ATHLETES AND RELATED WORKERS

Health Technologists and Technicians

36 HEALTH TECHNOLOGISTS AND TECHNICIANS
362 CLINICAL LABORATORY TECHNOLOGISTS AND TECHNICIANS
363 DENTAL HYGIENISTS
364 HEALTH RECORD TECHNOLOGISTS AND TECHNICIANS
365 RADIOLOGIC TECHNOLOGISTS AND TECHNICIANS
366 LICENSED PRACTICAL NURSES
369 HEALTH TECHNOLOGISTS AND TECHNICIANS, NOT ELSEWHERE CLASSIFIED

Technologists and Technicians, Except Health

37 ENGINEERING AND RELATED TECHNOLOGISTS AND TECHNICIANS
371 ENGINEERING TECHNOLOGISTS AND TECHNICIANS
3711 Electrical and Electronic Engineering Technologists and Technicians
3712 Industrial Engineering Technologists and Technicians
3713 Mechanical Engineering Technologists and Technicians
3719 Engineering Technologists and Technicians, Not Elsewhere Classified
372 DRAFTING OCCUPATIONS
373 SURVEYING AND MAPPING TECHNICIANS
3733 Surveying Technicians
3734 Cartographic Technicians
3739 Surveying and Mapping Technicians, Not Elsewhere Classified
38 SCIENCE TECHNOLOGISTS AND TECHNICIANS
382 BIOLOGICAL TECHNOLOGISTS AND TECHNICIANS, EXCEPT HEALTH
383 CHEMICAL AND NUCLEAR TECHNOLOGISTS AND TECHNICIANS
3831 Chemical Technologists and Technicians
3832 Nuclear Technologists and Technicians
3833 Petroleum Technologists and Technicians
384 MATHEMATICAL TECHNICIANS
389 SCIENCE TECHNOLOGISTS AND TECHNICIANS, NOT ELSEWHERE CLASSIFIED
39 TECHNICIANS; EXCEPT HEALTH, ENGINEERING, AND SCIENCE
392 AIR TRAFFIC CONTROLLERS
393 RADIO AND RELATED OPERATORS
396 LEGAL TECHNICIANS
397 PROGRAMERS
3971 Programers, Business
3972 Programers, Scientific
3974 Programers, Numerical, Tool and Process Control
398 TECHNICAL WRITERS
399 TECHNICIANS, NOT ELSEWHERE CLASSIFIED

Marketing and Sales Occupations

40 SUPERVISORS; MARKETING AND SALES OCCUPATIONS
401 SUPERVISORS; SALES OCCUPATIONS, INSURANCE, REAL ESTATE, AND BUSINESS SERVICES
402 SUPERVISORS; SALES OCCUPATIONS, COMMODITIES EXCEPT RETAIL
403 SUPERVISORS; SALES OCCUPATIONS, RETAIL
41 INSURANCE, SECURITIES, REAL ESTATE, AND BUSINESS SERVICE SALES OCCUPATIONS
412 INSURANCE, REAL ESTATE, AND SECURITIES SALES OCCUPATIONS
4122 Insurance Sales Occupations
4123 Real Estate Sales Occupations
4124 Securities and Financial Services Sales Occupations
415 BUSINESS SERVICE SALES OCCUPATIONS
4152 Business Service, Except Advertising, Sales Occupations
4153 Advertising and Related Sales Occupations
42 SALES OCCUPATIONS, COMMODITIES EXCEPT RETAIL
421 SALES ENGINEERS
423 TECHNICAL SALES WORKERS AND SERVICE ADVISORS
4232 Technical Sales Workers, Aircraft
4233 Technical Sales Workers, Agricultural Equipment and Supplies
4234 Technical Sales Workers, Electronic Equipment
4235 Technical Sales Workers, Industrial Machinery, Equipment, and Supplies
4236 Technical Sales Workers, Medical and Dental Equipment and Supplies
4237 Technical Sales Workers; Chemicals and Chemical Products
4239 Technical Sales Workers, Not Elsewhere Classified
424 SALES REPRESENTATIVES
4242 Sales Representatives, Commercial and Industrial Equipment and Supplies
4243 Sales Representatives, Garments and Related Textile Products
4244 Sales Representatives, Motor Vehicles and Supplies
4245 Sales Representatives; Pulp, Paper, and Paper Products
4246 Sales Representatives; Farm Products and Livestock
4249 Sales Representatives; Not Elsewhere Classified
43 SALES OCCUPATIONS, RETAIL
434-5 SALESPERSONS, COMMODITIES
4342 Salespersons; Motor Vehicles, Mobile Homes, and Supplies
4343 Salespersons; Musical Instruments and Supplies
4344 Salespersons; Boats and Marine Equipment and Supplies
4345 Salespersons; Sporting Goods
4346 Salespersons; Garments and Textile Products
4347 Salespersons; Books, Stamps, Coins, and Stationery
4348 Salespersons; Furniture and Home Furnishings
4351 Salespersons; Shoes
4352 Salespersons; Radio, Television, High Fidelity, and Household Appliances
4353 Salespersons; Hardware
4354 Salespersons; Cosmetics, Toiletries, and Allied Products
4356 Salespersons; Jewelry and Related Products
4359 Salespersons; Not Elsewhere Classified
436 SALES OCCUPATIONS; OTHER
4362 Sales Clerks
4363 Counter Clerks
4364 Cashiers
4365 News Vendors
4366 Street Vendors, Door-to-door Sales Workers, and Related Occupations
4367 Salespersons; Parts
4369 Sales Occupations; Services, Not Elsewhere Classified
44 SALES RELATED OCCUPATIONS
444 APPRAISERS AND RELATED OCCUPATIONS
445 DEMONSTRATORS, PROMOTERS, AND MODELS
446 SHOPPERS
447 AUCTIONEERS
449 SALES OCCUPATIONS; OTHER, NOT ELSEWHERE CLASSIFIED

Administrative Support Occupations, including Clerical

45 SUPERVISORS; ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL
4511 Supervisors; General Office Occupations
4512 Supervisors; Computer and Peripheral Equipment Operators

4513 Supervisors; Secretaries, Stenographers and Typists
4514 Supervisors; Information Clerks
4516 Supervisors; Correspondence Clerks and Order Clerks
4519 Supervisors; Record Clerks
4521 Supervisors; Financial Record Processing Occupations
4522 Supervisors; Duplicating, Mail and Other Office Machine Operators
4523 Chief Communications Operators
4524 Supervisors; Mail and Message Distribution Clerks
4525 Supervisors; Material Recording, Scheduling, and Distributing Clerks
4528 Supervisors; Adjusters, Investigators, and Collectors
4529 Supervisors; Miscellaneous Administrative Support Occupations
46-47 ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL
461 COMPUTER AND PERIPHERAL EQUIPMENT OPERATORS
4612 Computer Operators
4613 Peripheral Equipment Operators
462 SECRETARIES, STENOGRAPHERS AND TYPISTS
4622 Secretaries
4623 Stenographers
4624 Typists
463 GENERAL OFFICE OCCUPATIONS
464 INFORMATION CLERKS
4642 Interviewing Clerks
4643 Hotel Clerks
4644 Reservation Agents and Transportation Ticket Clerks
4645 Receptionists
4649 Information Clerks, Not Elsewhere Classified
466 CORRESPONDENCE CLERKS AND ORDER CLERKS
4662 Classified-ad Clerks
4663 Correspondence Clerks
4664 Order Clerks
469 RECORD CLERKS
4692 Personnel Clerks, Except Payroll and Timekeeping
4694 Library Clerks
4696 File Clerks
4699 Record Clerks, Not Elsewhere Classified
471 FINANCIAL RECORD PROCESSING OCCUPATIONS
4712 Bookkeepers and Accounting and Auditing Clerks
4713 Payroll and Timekeeping Clerks
4715 Billing Clerks
4716 Cost and Rate Clerks
4718 Billing, Posting, and Calculating Machine Operators
472 DUPLICATING, MAIL AND OTHER OFFICE MACHINE OPERATORS
4722 Duplicating Machine Operators
4723 Mail Preparing and Handling Machine Operators
4729 Office Machine Operators, Not Elsewhere Classified
473 COMMUNICATIONS EQUIPMENT OPERATORS
4732 Telephone Operators
4733 Telegraphers
4739 Communications Equipment Operators, Not Elsewhere Classified
474 MAIL AND MESSAGE DISTRIBUTING OCCUPATIONS
4742 Postal Clerks, Except Mail Carriers
4743 Mail Carriers, Post Office
4744 Mail Clerks, Except Post Office
4745 Messengers
475 MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING CLERKS
4751 Dispatchers
4752 Production and Planning Clerks
4753 Traffic, Shipping, and Receiving Clerks
4754 Stock and Inventory Clerks
4755 Meter Readers
4756 Weighers, Measurers, and Checkers
4757 Samplers
4758 Expediters
4759 Material Recording, Scheduling, and Distributing Clerks, Not Elsewhere Classified
478 ADJUSTERS, INVESTIGATORS, AND COLLECTORS
4782 Insurance Adjusters, Examiners, and Investigators
4783 Investigators and Adjusters, Except Insurance
4784 Clerks, Social Welfare

4786 Bill and Account Collectors
4787 License Clerks
479 MISCELLANEOUS ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL
4791 Bank Tellers
4792 Proof Readers
4793 Data Entry Keyers
4794 Statistical Clerks
4795 Teacher Aides
4799 Administrative Support Occupations, including Clerical, Not Elsewhere Classified

Service Occupations

50 PRIVATE HOUSEHOLD OCCUPATIONS
502 DAY WORKERS
503 LAUNDERERS AND IRONERS
504 COOKS, PRIVATE HOUSEHOLD
505 HOUSEKEEPERS AND BUTLERS
506 CHILD CARE WORKERS, PRIVATE HOUSEHOLD
507 PRIVATE HOUSEHOLD CLEANERS AND SERVANTS
509 PRIVATE HOUSEHOLD OCCUPATIONS, NOT ELSEWHERE CLASSIFIED
51 PROTECTIVE SERVICE OCCUPATIONS
511 SUPERVISORS; SERVICE OCCUPATIONS, PROTECTIVE
5111 Supervisors; Firefighting and Fire Prevention Occupations
5112 Supervisors; Police and Detectives
5113 Supervisors; Guards
512 FIREFIGHTING AND FIRE PREVENTION OCCUPATIONS
5122 Fire Inspection and Fire Prevention Occupations
5123 Firefighting Occupations
513 POLICE AND DETECTIVES
5132 Police and Detectives, Public Service
5133 Correctional Institution Officers
5134 Sheriffs, Bailiffs, and Other Law Enforcement Officers
514 GUARDS
5142 Crossing Guards
5144 Guards and Police, Except Public Service
5149 Protective Service Occupations, Not Elsewhere Classified
52 SERVICE OCCUPATIONS, EXCEPT PRIVATE HOUSEHOLD AND PROTECTIVE
521 FOOD AND BEVERAGE PREPARATION AND SERVICE OCCUPATIONS
5211 Supervisors; Food and Beverage Preparation and Service Occupations
5212 Bartenders
5213 Waiters and Waitresses
5214 Cooks, Except Short Order
5215 Short-order Cooks
5216 Food Counter, Fountain and Related Occupations
5217 Kitchen Workers, Food Preparation
5218 Waiters'/Waitresses' Assistants
5219 Miscellaneous Food and Beverage Preparation Occupations
523 HEALTH SERVICE OCCUPATIONS
5232 Dental Assistants
5233 Health Aides, Except Nursing
5236 Nursing Aides, Orderlies, and Attendants
524 CLEANING AND BUILDING SERVICE OCCUPATIONS, EXCEPT PRIVATE HOUSEHOLD
5241 Supervisors; Cleaning and Building Service Workers
5242 Maids and Housemen
5244 Janitors and Cleaners
5245 Elevator Operators
5246 Pest Control Occupations
5249 Cleaning and Building Service Occupations, Not Elsewhere Classified
525-6 PERSONAL SERVICE OCCUPATIONS
5251 Supervisors; Personal Service Occupations
5252 Barbers
5253 Hairdressers and Cosmetologists
5254 Attendants, Amusement and Recreation Facilities
5255 Guides
5256 Ushers
5257 Public Transportation Attendants
5258 Wardrobe and Dressing Room Attendants

5262 Baggage Porters and Bellhops
5263 Welfare Service Aides
5264 Child Care Workers, Except Private Household
5269 Personal Service Occupations, Not Elsewhere Classified

Agricultural, Forestry and Fishing Occupations

55 FARM OPERATORS AND MANAGERS
551 FARMERS (WORKING PROPRIETORS)
5512 General Farmers
5513 Crop, Vegetable, Fruit and Tree Nut Farmers
5514 Livestock, Dairy, Poultry and Fish Farmers
5515 Horticultural Specialty Farmers
552 FARM MANAGERS
5522 Managers; General Farm
5523 Managers; Crop, Vegetable, Fruit and Tree Nut Farm
5524 Managers; Livestock, Dairy, Poultry and Fish Farm
5525 Managers; Horticultural Specialty Farm
56 OTHER AGRICULTURAL AND RELATED OCCUPATIONS
561 FARM OCCUPATIONS, EXCEPT MANAGERIAL
5611 Supervisors; Farm Workers
5612 General Farm Workers
5613 Field Crop and Vegetable Farm Workers (Hand)
5614 Orchard and Vineyard and Related Workers (Hand)
5615 Irrigation Workers
5616 Farm Machinery Operators
5617 Livestock Workers
5618 Marine Life Cultivation Workers
5619 Nursery Workers
562 RELATED AGRICULTURAL OCCUPATIONS
5621 Supervisors; Related Agricultural Workers
5622 Groundskeepers and Gardeners, Except Farm
5624 Animal Caretakers, Except Farm
5625 Graders and Sorters; Agricultural Products
5627 Inspectors; Agricultural Products
57 FORESTRY AND LOGGING OCCUPATIONS
571 SUPERVISORS; FORESTRY AND LOGGING WORKERS
572 FORESTRY WORKERS, EXCEPT LOGGING
573 TIMBER CUTTING AND RELATED OCCUPATIONS
579 LOGGING OCCUPATIONS, NOT ELSEWHERE CLASSIFIED
58 FISHERS, HUNTERS, AND TRAPPERS
583 FISHERS
584 HUNTERS AND TRAPPERS

Mechanics and Repairers

60 SUPERVISORS; MECHANICS AND REPAIRERS
61 MECHANICS AND REPAIRERS
611 VEHICLE AND MOBILE EQUIPMENT MECHANICS AND REPAIRERS
6111 Automobile Mechanics
6112 Bus and Truck Engine, and Diesel Engine Mechanics
6113 Aircraft Engine Mechanics
6114 Small Engine Repairers
6115 Automotive Body and Related Repairers
6116 Aircraft Mechanics (Except Engine Specialists)
6117 Heavy Equipment Mechanics
6118 Farm Equipment Mechanics
613 INDUSTRIAL MACHINERY REPAIRERS *
614 MACHINERY MAINTENANCE OCCUPATIONS
615 ELECTRICAL AND ELECTRONIC EQUIPMENT REPAIRERS
6151 Communications Equipment Repairers
6152 Electric Motor, Transformer, and Related Repairers
6153 Electrical and Electronic Repairers, Commercial and Industrial Equipment
6154 Data Processing Equipment Repairers
6155 Electronic Repairers, Home-entertainment Equipment
6156 Household Appliance and Power Tool Repairers
6157 Telephone Line Installers and Repairers

6158 Telephone Installers and Repairers
6159 Miscellaneous Electrical and Electronic Equipment Repairers
616 HEATING, AIR-CONDITIONING, AND REFRIGERATION MECHANICS
617 MISCELLANEOUS MECHANICS AND REPAIRERS
6171 Camera, Watch, and Other Precision Instrument Repairers
6172 Musical Instrument Repairers and Tuners
6173 Locksmiths and Safe Repairers
6174 Office Machine Repairers
6175 Mechanical Controls and Valve Repairers
6176 Elevator Installers and Repairers
6177 Riggers
6178 Millwrights
6179 Mechanics and Repairers, Not Elsewhere Classified

Construction and Extractive Occupations

63 SUPERVISORS; CONSTRUCTION AND EXTRACTIVE OCCUPATIONS
631 SUPERVISORS; CONSTRUCTION
6311 Supervisors; Overall Construction
6312 Supervisors; Brickmasons, Stonemasons, and Hard Tile Setters
6313 Supervisors; Carpenters and Related Workers
6314 Supervisors; Electricians and Power Transmission Installers
6315 Supervisors; Painters, Paperhangers, and Plasterers
6316 Supervisors; Plumbers and Pipefitters and Steamfitters
6318 Supervisors; Other Construction Trades
632 SUPERVISORS; EXTRACTIVE OCCUPATIONS
64 CONSTRUCTION TRADES
641 BRICKMASONS, STONEMASONS, AND HARD TILE SETTERS
6412 Brickmasons
6413 Stonemasons
6414 Tile Setters, Hard
642 CARPENTERS AND RELATED WORKERS
6422 Carpenters
6424 Drywall Installers
643 ELECTRICIANS AND POWER TRANSMISSION INSTALLERS
6432 Electricians
6433 Electrical Power Installers and Repairers
644 PAINTERS, PAPERHANGERS, AND PLASTERERS
6442 Painters (Construction and Maintenance)
6443 Paperhangers
6444 Plasterers
645 PLUMBERS, PIPEFITTERS AND STEAMFITTERS
646-7 OTHER CONSTRUCTION TRADES
6462 Carpet and Soft Tile Installers
6463 Concrete and Terrazzo Finishers
6464 Glaziers
6465 Insulation Workers
6466 Paving, Surfacing, and Tamping Equipment Operators
6467 Rail and Track Laying Equipment Operators
6468 Roofers
6472 Sheetmetal Duct Installers
6473 Structural Metal Workers
6474 Drillers, Earth
6475 Air Hammer Operators
6476 Pile Driving Operators
6479 Construction Trades, Not Elsewhere Classified
65 EXTRACTIVE OCCUPATIONS
652 DRILLERS, OIL WELL
653 EXPLOSIVE WORKERS
654 MINING MACHINE OPERATORS
656 EXTRACTIVE OCCUPATIONS, NOT ELSEWHERE CLASSIFIED

Precision Production Occupations

67 SUPERVISORS; PRECISION PRODUCTION OCCUPATIONS
68 PRECISION PRODUCTION OCCUPATIONS
681-2 PRECISION METAL WORKERS

6811 Tool and Die Makers
6812 Precision Assemblers (Metal)
6813 Machinists
6814 Boilermakers
6816 Precision Grinders, Filers, and Tool Sharpeners
6817 Patternmakers and Model Makers (Metal)
6821 Lay-out Workers
6822 Precision Hand Molders and Shapers (Jewelers)
6823 Engravers
6824 Sheet Metal Workers
6829 Miscellaneous Precision Metal Workers
683 PRECISION WOODWORKERS
6831 Patternmakers and Model Makers, Wood
6832 Cabinet Makers and Bench Carpenters
6835 Furniture Finishers
6839 Miscellaneous Precision Woodworkers
684 PRECISION PRINTING OCCUPATIONS
6841 Precision Typesetters
6842 Precision Lithographers and Photoengravers
6844 Bookbinders
6849 Miscellaneous Precision Printing Occupations
685 PRECISION TEXTILE, APPAREL AND FURNISHINGS WORKERS
6852 Tailors and Dressmakers, Hand
6853 Upholsterers
6854 Shoemakers and Leather Workers and Repairers
6855 Precision Laundering, Cleaning, and Dyeing Occupations
6856 Apparel and Fabric Patternmakers
6859 Miscellaneous Precision Apparel and Fabric Workers
686 PRECISION WORKERS; ASSORTED MATERIALS
6861 Precision Hand Molders and Shapers (Except Jewelers)
6862 Precision Patternmakers, Lay-out Workers and Cutters
6863 Detail Design Painters and Decorators
6864 Optical Goods Workers
6865 Dental Laboratory Technicians
6866 Gem and Diamond Working Occupations
6867 Precision Electrical and Electronic Equipment Assemblers
6868 Photographic Process Workers
6869 Miscellaneous Precision Workers, Not Elsewhere Classified
687 PRECISION FOOD PRODUCTION OCCUPATIONS
6871 Butchers and Meat Cutters
6872 Bakers
6873 Batchmakers (Candymakers, Cheesemakers, Etc.)
6879 Miscellaneous Precision Food Workers
688 PRECISION INSPECTORS, TESTERS, AND RELATED WORKERS
6881 Precision Inspectors, Testers, and Graders
6882 Precision Adjusters and Calibrators
69 PLANT AND SYSTEM OPERATORS
691 WATER AND SEWAGE TREATMENT PLANT OPERATORS
692 GAS PLANT OPERATORS
693 POWER PLANT OPERATORS
6931 Stationary Engineers
6932 Power Plant and Systems Operators, except Stationary Engineers
694 CHEMICAL PLANT OPERATORS
695 PETROLEUM PLANT OPERATORS
696 MISCELLANEOUS PLANT OR SYSTEM OPERATORS

Production Working Occupations

71 SUPERVISORS; PRODUCTION OCCUPATIONS
73-74 MACHINE SETUP OPERATORS
731-2 METALWORKING AND PLASTIC WORKING MACHINE SETUP OPERATORS
7312 Lathe and Turning Machine Setup Operators
7313 Milling and Planing Machine Setup Operators
7314 Punching and Shearing Machine Setup Operators
7315 Extruding and Drawing Machine Setup Operators
7316 Rolling Machine Setup Operators
7317 Press and Brake Machine Setup Operators
7318 Drilling and Boring Machine Setup Operators

7319 Forging Machine Setup Operators
7322 Grinding, Abrading, Buffing, and Polishing Machine Setup Operators
7324 Lapping and Honing Machine Setup Operators
7326 Numerical Control Machine Setup Operators
7329 Miscellaneous Metalworking and Plastic Working Machine Setup Operators
733 METAL FABRICATING MACHINE SETUP OPERATORS
7332 Welding Machine Setup Operators
7333 Soldering and Brazing Machine Setup Operators
7339 Miscellaneous Fabricating Machine Setup Operators
734 METAL AND PLASTIC PROCESSING MACHINE SETUP OPERATORS
7342 Molding and Casting Machine Setup Operators
7343 Plating and Coating Machine Setup Operators
7344 Heating Equipment Setup Operators
7349 Miscellaneous Metal and Plastic Processing Machine Setup Operators
743 WOODWORKING MACHINE SETUP OPERATORS
7431 Lathe and Turning Machine Setup Operators
7432 Router and Planer Machine Setup Operators
7433 Sawing Machine Setup Operators
7434 Sanding Machine Setup Operators
7435 Shaping and Joining Machine Setup Operators
7439 Miscellaneous Woodworking Machine Setup Operators
744 PRINTING MACHINE SETUP OPERATORS
7443 Printing Press Setup Operators
7444 Photoengraving and Lithographing Machine Setup Operators
7449 Miscellaneous Printing Machine Setup Operators
745 TEXTILE MACHINE SETUP OPERATORS
7451 Winding and Twisting Machine Setup Operators
7452 Knitting and Weaving Machine Setup Operators
7459 Textile Machine Setup Operators, Not Elsewhere Classified
746-7 ASSORTED MATERIALS: MACHINE SETUP OPERATORS
7462 Packaging and Filling Machine Setup Operators
7463 Extruding and Forming Machine Setup Operators
7467 Compressing and Compacting Machine Setup Operators
7472 Roasting and Baking Machine Setup Operators
7474 Folding Machine Setup Operators
7476 Still, Clarifying, and Precipitating Machine Setup Operators
7477 Crushing, Grinding and Polishing Machine Setup Operators
7478 Slicing and Cutting Machine Setup Operators
7479 Miscellaneous Machine Setup Operators
75-76 MACHINE OPERATORS AND TENDERS
751-2 METALWORKING AND PLASTIC WORKING MACHINE OPERATORS AND TENDERS
7512 Lathe and Turning Machine Operators and Tenders
7513 Milling and Planing Machine Operators and Tenders
7514 Punching and Shearing Machine Operators and Tenders
7515 Extruding and Drawing Machine Operators and Tenders
7516 Rolling Machine Operators and Tenders
7517 Press and Brake Machine Operators and Tenders
7518 Drilling and Boring Machine Operators and Tenders
7519 Forging Machine Operators and Tenders
7522 Grinding, Abrading, Buffing and Polishing Machine Operators and Tenders
7529 Miscellaneous Metalworking and Plastic Working Machine Operators and Tenders
753 METAL FABRICATING MACHINE OPERATORS AND TENDERS
7532 Welding Machine Operators and Tenders
7533 Soldering and Brazing Machine Operators and Tenders
7539 Miscellaneous Fabricating Machine Operators and Tenders
754 METAL AND PLASTIC PROCESSING MACHINE OPERATORS AND TENDERS
7542 Molding and Casting Machine Operators and Tenders
7543 Plating and Coating Machine Operators and Tenders
7544 Heating Equipment Operators and Tenders
7549 Miscellaneous Metal and Plastic Processing Machine Operators and Tenders
763 WOODWORKING MACHINE OPERATORS AND TENDERS
7631 Lathe and Turning Machine Operators and Tenders
7632 Router and Planer Machine Operators and Tenders
7633 Sawing Machine Operators and Tenders
7634 Sanding Machine Operators and Tenders
7635 Shaping and Joining Machine Operators and Tenders
7636 Nailing and Tacking Machine Operators and Tenders
7639 Miscellaneous Woodworking Machine Operators and Tenders
764 PRINTING MACHINE OPERATORS AND TENDERS

7642 Typesetting and Composing Machine Operators and Tenders
7643 Printing Machine Operators and Tenders
7644 Photoengraving and Lithographing Machine Operators and Tenders
7649 Printing Machine Operators and Tenders, Not Elsewhere Classified
765 TEXTILE, APPAREL AND FURNISHINGS MACHINE OPERATORS AND TENDERS
7651 Winding and Twisting Machine Operators and Tenders
7652 Knitting and Weaving Machine Operators and Tenders
7654 Textile Cutting Machine Operators and Tenders
7655 Textile Sewing Machine Operators and Tenders
7656 Shoe Machine Operators and Tenders
7657 Pressing Machine Operators
7658 Laundering and Dry Cleaning Machine Operators and Tenders
7659 Miscellaneous Textile Machine Operators and Tenders
766-7 MACHINE OPERATORS AND TENDERS; ASSORTED MATERIALS
7661 Cementing and Gluing Machine Operators and Tenders
7662 Packaging and Filling Machine Operators and Tenders
7663 Extruding and Forming Machine Operators and Tenders
7664 Mixing and Blending Machine Operators and Tenders
7665 Cooling and Freezing Equipment Operators and Tenders
7666 Separating and Filtering Machine Operators and Tenders
7667 Compressing and Compacting Machine Operators and Tenders
7668 Boiler Operators and Tenders (Low Pressure)
7669 Coating, Painting, and Spraying Machine Operators and Tenders
7671 Photographic Processing Machine Operators
7672 Roasting and Baking Machine Operators and Tenders
7673 Washing, Cleaning and Pickling Equipment Operators and Tenders
7674 Folding Machine Operators and Tenders
7675 Furnace, Kiln, and Oven Operators and Tenders
7676 Still, Clarifier and Precipitator Operators and Tenders
7677 Crushing, Grinding and Polishing Machine Operators and Tenders
7678 Slicing and Cutting Machine Operators and Tenders
7679 Miscellaneous Machine Operators and Tenders, Not Elsewhere Classified
77 FABRICATORS, ASSEMBLERS, AND HAND WORKING OCCUPATIONS
771 WELDERS AND SOLDERERS
7714 Welders And Cutters
7717 Solderers And Brazers
772 ASSEMBLERS
774 FABRICATORS, NOT ELSEWHERE CLASSIFIED
775 HAND WORKING OCCUPATIONS
7752 Hand Sewing Occupations
7753 Hand Cutting And Trimming Occupations
7754 Hand Molding And Casting Occupations
7755 Hand Forming And Shaping Occupations
7756 Hand Painting, Coating And Decorating Occupations
7757 Hand Engraving And Printing Occupations
7758 Hand Grinding And Polishing Occupations
7759 Miscellaneous Hand Working Occupations
78 PRODUCTION INSPECTORS, TESTERS, SAMPLERS, AND WEIGHERS
782 PRODUCTION INSPECTORS, CHECKERS AND EXAMINERS
783 PRODUCTION TESTERS
784 PRODUCTION SAMPLERS AND WEIGHERS
785 GRADERS AND SORTERS, EXCEPT AGRICULTURAL
787 PRODUCTION EXPEDITERS

Transportation and Material Moving Occupations

81 SUPERVISORS; TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS
811 SUPERVISORS; MOTORIZED EQUIPMENT OPERATORS
8111 Supervisors; Motor Vehicle Operators
8113 Railroad Conductors and Yardmasters
812 SUPERVISORS; MATERIAL MOVING EQUIPMENT OPERATORS
82 TRANSPORTATION OCCUPATIONS
821 MOTOR VEHICLE OPERATORS
8212 Truck Drivers, Tractor-trailer
8213 Truck Drivers, Heavy
8214 Truck Drivers, Light (Including Delivery and Route Drivers)
8215 Bus Drivers
8216 Taxicab Drivers and Chauffeurs

8218 Driver-Sales Workers
8219 Other Motor Transportation Occupations, Not Elsewhere Classified
823 RAIL TRANSPORTATION OCCUPATIONS
8232 Locomotive Operating Occupations
8233 Railroad Brake, Signal, and Switch Operators
8239 Rail Vehicle Operators, Not Elsewhere Classified
824 WATER TRANSPORTATION OCCUPATIONS
8241 Ship Captains and Mates
8242 Boat and Barge Operators
8243 Sailors and Deckhands
8244 Marine Engineers
8245 Bridge, Lock, and Lighthouse Tenders
825 AIRPLANE PILOTS AND NAVIGATORS
828 TRANSPORTATION INSPECTORS
83 MATERIAL MOVING OCCUPATIONS, EXCEPT TRANSPORTATION
831 MATERIAL MOVING EQUIPMENT OPERATORS
8312 Operating Engineers
8313 Longshore Equipment Operators
8314 Hoist and Winch Operators
8315 Crane and Tower Operators
8316 Excavating and Loading Machine Operators
8317 Grader, Dozer, and Scraper Operators
8318 Industrial Truck and Tractor Equipment Operators
8319 Miscellaneous Material Moving Equipment Operators

Handlers, Equipment Cleaners, Helpers and Laborers

85 SUPERVISORS; HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS
86 HELPERS
861 HELPERS; MACHINE OPERATORS AND TENDERS
8611 Helpers; Metalworking and Plastic Working Machine Operators and Tenders
8614 Helpers; Metal and Plastic Processing Machine Operators and Tenders
8615 Helpers; Woodworking Machine Operators and Tenders
8616 Helpers; Printing Machine Operators and Tenders
8617 Helpers; Textile, Apparel and Furnishings Machine Operators and Tenders
8618 Helpers; Machine Operators and Tenders, Assorted Materials
8619 Helpers; Precision Production Occupations and Setup Operators
862 HELPERS; FABRICATORS AND INSPECTORS
863 HELPERS; MECHANICS AND REPAIRERS
8632 Helpers; Vehicle and Mobile Equipment Mechanics and Repairers
8633 Helpers; Industrial Machinery Repairers
8635 Helpers; Electrical and Electronic Equipment Repairers
8637 Helpers; Miscellaneous Mechanics and Repairers
864 HELPERS; CONSTRUCTION TRADES
8641 Helpers; Brickmasons, Stonemasons, and Hard Tile Setters
8642 Helpers; Carpenters and Related Workers
8643 Helpers; Electricians and Power Transmission Installers
8644 Helpers; Painters, Paperhangers, and Plasterers
8645 Helpers; Plumbers, Pipefitters and Steamfitters
8646 Helpers; Surveyor's
8648 Helpers; Other Construction Trades
865 HELPERS; EXTRACTIVE OCCUPATIONS
87 HANDLERS, EQUIPMENT CLEANERS AND LABORERS
871 CONSTRUCTION LABORERS
872 FREIGHT, STOCK, AND MATERIAL MOVERS; HAND
8722 Garbage Collectors
8723 Stevedores
8724 Stock Handlers and Baggers
8725 Machine Feeders and Offbearers
8726 Freight, Stock, and Material Movers, Not Elsewhere Classified
873 GARAGE AND SERVICE STATION RELATED OCCUPATIONS
874 PARKING LOT ATTENDANTS
875 VEHICLE WASHERS AND EQUIPMENT CLEANERS
876 MISCELLANEOUS MANUAL OCCUPATIONS
8761 Hand Packers and Packagers
8769 Manual Occupations, Not Elsewhere Classified

Military Occupations
91 MILITARY OCCUPATIONS

Miscellaneous Occupations
99 MISCELLANEOUS OCCUPATIONS

REFERENCE F

Occupational Employment Statistics (OES) Survey Occupation Categories and Related Matrix Codes and Titles

This reference contains a listing arranged in ascending numerical order of all five-digit OES survey occupation codes and titles, matched to their equivalent eight-digit OES survey-based industry-occupation matrix codes and titles. Both classification systems are explained on pages 59 through 65 of this publication.

In Reference F, a matrix occupation may be matched to more than one survey occupation. This occurs in cases where two or more survey occupations were combined to form a single matrix occupation.

Reference G provides a numerical list of OES survey-based matrix codes, matched to their equivalent survey codes.

REFERENCE F

OES SURVEY OCCUPATION CATEGORIES AND RELATED MATRIX CODES AND TITLES

OES SURVEY OCCUPATIONS		MATRIX OCCUPATIONS	
CODE	TITLE	CODE	TITLE
10000	MANAGERS AND OFFICER	20061600	OTHER MANAGERS, ADMI
10001	PUBLIC ADMISTRATIO	20040800	PUBLIC ADM INSPECTOR
10009	CONSTRUCTION INSPECT	20040400	CONSTRUCTION INSPECT
10011	DIRECTOR, FOOD AND	20061400	MANAGERS,REST'RANT,C
10032	MANAGER, MERCHANDISE	20020800	MANAGERS,MERCHANDISE
10033	FASHION COORDINATOR	20061611	FASHION COORDINATO
10035	MANAGER, STORE	20061612	MANAGERS,STORE
10046	MANAGER, AUTOMOBILE	20061613	MANAGERS,AUTO SERV
10047	MANAGER, AUTOMOTIVE	20061614	MANAGERS,AUTO PART
10048	MANAGER, WHOLESALE	20061615	WHOLESALERS
10049	MANAGER, RESTAURANT,	20061400	MANAGERS,REST'RANT,C
10050	POSTMASTER AND/OR MA	20041200	POSTMASTERS &/OR MAI
10051	PRINCIPAL	20041601	PRINCIPALS
10052	ASSISTANT PRINCIPAL	20041602	ASST. PRINCIPALS
10053	SUPERINTENDENT	20041603	SUPERINTENDENTS
10055	CAPTAIN,WATER VESSEL	20060801	CAPTAINS,WATER VES
10056	PILOT, SHIP	20060802	PILOTS,SHIP
10057	CHIEF EXEC, LEGISLST	20041000	CHIEF EXECUTIVES,LEG
19000	ALL OTHER MANAGERS	20061699	ALL OTHER MANAGERS
21000	ENGINEERS	10022099	ALL OTHER ENGINEERS
21001	AERONAUTICAL ENGINEER	10020200	AERONAUTICAL ENGINEERS
21002	AGRICULTURAL ENGINEER	10022099	ALL OTHER ENGINEERS
21003	CHEMICAL ENGINEER	10020400	CHEMICAL ENGINEERS
21004	CIVIL ENGINEER	10020600	CIVIL ENGINEERS
21005	ELEC & ELEC ENGINEER	10020800	ELECTRICAL ENGINEERS
21006	INDUSTRIAL ENGINEER	10021000	INDUSTRIAL ENGINEERS
21007	MARINE ENGINEER	10021200	MECHANICAL ENGINEERS
21008	MECHANICAL ENGINEER	10021200	MECHANICAL ENGINEERS
21009	METAL ENGINEER	10021400	METALLURGISTS & MET
21010	MINING ENGINEER	10021600	MINING ENGINEERS
21011	PETROLEUM ENGINEER	10021800	PETROLEUM ENGINEERS
21012	SAFETY ENGINEER	10021000	INDUSTRIAL ENGINEERS
21013	TRAFFIC ENGINEER	10022003	TRAFFIC ENGINEERS
21014	CERAMIC ENGINEER	10020400	CHEMICAL ENGINEERS
21017	NUCLEAR ENGINEER	10022004	NUCLEAR ENGINEERS
21900	ALL OTHER ENGINEERS	10022099	ALL OTHER ENGINEERS
22000	NAT & MATH SCIENTIST	10041600	LIFE & PHYSICAL SCIENTISTS
22100	MATHEMATICAL SCIENTIST	10060400	MATHEMATICAL SCIENTISTS
22101	ACTUARY	10060200	ACTUARIES
22102	FINANCIAL ANALYST	10180201	FINANCIAL ANALYSTS
22103	MATHEMATICIAN	10060402	MATHEMATICIANS
22104	STATISTICIAN	10060600	STATISTICIANS
22199	ALL OTHR MATH SCIENT	10060403	ALL OTHER MATH SCI
22200	PHYSICAL SCIENTISTS	10041600	LIFE & PHYSICAL SCIENTISTS
22201	CHEMIST	10040800	CHEMISTS
22202	GEOLOGISTS & GEOPHYS	10041000	GEOLOGISTS & GEOPHYS
22203	METEOROLOGIST	10040400	METEOROLOGISTS
22204	OCEANOGRAPHER	10041600	LIFE & PHYSICAL SCIE
22205	PHYSICIST	10041400	PHYSICISTS
22299	ALL OTHR PHYS SCIENT	10041600	LIFE & PHYSICAL SCIE
22300	LIFE SCIENTIST	10041600	LIFE & PHYSICAL SCIENTISTS
22301	AGRICULTURAL SCIENTIST	10040200	AGRICULTURAL SCIENTISTS
22302	BIOLOGICAL SCIENTIST	10040601	BIOLOGICAL SCIENTISTS
22305	MEDICAL SCIENTIST	10040602	MEDICAL SCIENTISTS
22308	FORESTER AND CONSERV	10241600	FORESTERS & CONSERV
22399	ALL OTHER LIFE SCIEN	10041600	LIFE & PHYSICAL SCIE
22999	ALL OTH NAT & MATH S	10041600	LIFE & PHYSICAL SCIE
23000	SOCIAL SCIENTIST	10181200	ALL OTHER SOCIAL SCIENTISTS
23002	ECONOMIST	10180202	ECONOMISTS
23003	MARKET-RESEARCH ANALYST	10181200	ALL OTHER SOCIAL SCI
23004	PSYCHOLOGIST	10180600	PSYCHOLOGISTS
23005	SOCIOLOGIST	10180800	SOCIOLOGISTS
23006	URBAN AND REGIONAL P	10181000	URBAN AND REGIONAL P
23900	ALL OTHER SOCIAL SCI	10181200	ALL OTHER SOCIAL SCI
24000	SYSTEMS ANALYST, EDP	10160400	SYSTEMS ANALYSTS,EDP
24001	SYSTEMS ANALYST, BUS	10160400	SYSTEMS ANALYSTS,EDP

24002	SYS ANAL, SCI & TECH	10160400	SYSTEMS ANALYSTS,EDP
25103	TEACHER, SECOND SCH	10205000	TEACHERS,SECONDARY
25104	TEACHER/INST COL ETC	10202002	TEACHERS,COLLEGE
25105	TEACHER, VOCATIONAL	10202001	TEACHERS,VOCATIONA
25106	TEACHER,NON-VOC ED	10201000	TEACHERS,ADULT EDUCA
25107	VOCATIONAL/EDUC COUN	10243600	VOCATIONAL & EDUC CO
25108	GRADUATE ASSISTANT	10202003	GRADUATE ASSISTANT
25109	PROFESSOR	10202005	PROFESSORS
25110	ASSOCIATE PROF	10202006	ASSOC. PROFESSORS
25111	ASSISTANT PROF	10202007	ASST. PROFESSORS
25112	LECTURER	10202008	LECTURERS
25113	INSTRUCTOR, CORR SCH	10206003	INSTRUCTORS,CORRES
25114	ATHLETIC COACH	10202009	ATHLETIC COACHES
25115	TEACHER, ELEM OR PRE	10203002	PRESCH. &/OR ELEM.
25199	ALL OTHER TEACHER	10206099	ALL OTHER TEACHERS
25200	PHOTOGRAPHER	10221801	ALL OTHER PHOTOGRAPHERS
25201	PHOTOGRAPHER, PORTRAIT	10221801	ALL OTHER PHOTOGRAPHERS
25202	PHOTOGRAPHER,SCIENTIST	10221801	ALL OTHER PHOTOGRAPHERS
25205	TELEVISION CAMERA OP	10221802	TELEVISION CAMERA
25299	ALL OTHER PHOTOGRAPHERS	10221801	ALL OTHER PHOTOGRAPHERS
25300	PURCH AGNT &/OR BUYR	10240801	PURCHASING AGENTS
25301	BUYER, RETAIL AND/O	10240804	BUYERS,RETAIL &/OR
25401	ACCOUNTANTS AND AUDI	10240201	ACCOUNTANTS & AUDI
25402	ACTOR OR ACTRESS	10220200	ACTORS OR ACTRESSES
25403	LANDSCAPE ARCHITECT	10240400	ARCHITECTS
25404	APPRAISER	10243807	APPRAISERS
25405	ARCHITECT	10240400	ARCHITECTS
25406	ARCHIVIST	10240601	ARCHIVISTS
25408	APPRAISER, ART	10240602	ART APPRAISERS
25409	ANNOUNCER	10222201	ANNOUNCERS
25410	AHTLETE	10220401	ATHLETES
25412	BROADCAST NEWS ANALY	10222202	BROADCAST NEWS ANA
25413	BUDGET ANALYST	10243899	ALL OTHER PROFESSI
25414	MEDIA BUYER	10240803	MEDIA BUYERS
25416	DIRECTOR, CAMP	10243206	CAMP DIRECTORS
25418	CASEWORKER	10243401	CASEWORKERS
25419	CHIROPRACTOR	10100200	CHIROPRACTORS
25420	CHOIRMASTER	10243899	ALL OTHER PROFESSI
25423	CLERGY	10241000	CLERGY
25424	COACH, PROFESSIONAL	10220402	COACHES,PROFESSION
25425	COMEDIAN	10220200	ACTORS OR ACTRESSES
25426	COMMERCIAL ARTIST	10221601	COMMERCIAL ARTISTS
25427	COST ESTIMATOR	10243808	COST ESTIMATORS
25428	CREDIT ANALYST, CHIE	10243809	CREDIT ANALYSTS,CH
25429	CREDIT ANALYST	10243810	CREDIT ANALYSTS
25430	DANCE INSTRUCTOR	10206001	DANCE INSTRUCTORS
25431	DANCER	10220800	DANCERS
25433	DENTIST	10100400	DENTISTS
25434	DIETITION AND/OR NUT	10100600	DIETITIANS &/OR NUTR
25435	INSTRUCTOR, AUTOMOBI	10206099	ALL OTHER TEACHERS
25436	WRITER AND/OR EDITOR	10221201	WRITERS &/OR EDITO
25437	EMBALMER	10140600	EMBALMERS
25440	FILM EDITOR	10221202	FILM EDITORS
25441	HOSPITAL-INSURANCE R	10243803	HOSPITAL INS REPRE
25442	INVESTIGATOR, INSURA	10243815	INVESTIGATORS,INSU
25443	EMPLOYMENT INTERVIEW	10242803	EMPLOYMENT INTERVI
25445	LAW CLERK	10242201	LAW CLERKS
25446	LAWYER	10242202	LAWYERS
25447	LEASE BUYER	10240802	LEASE BUYERS
25448	LIBRARIAN, PROFESSIO	10242401	LIBRARIANS
25450	MEDIA ANALYST	10180204	MEDIA ANALYSTS
25452	MODEL MAKER	10243899	ALL OTHER PROFESSI
25453	MOTION PICTURE NARRA	10222401	MOTION PICTURE NAR
25454	CURATOR, MUSEUM	10240603	MUSEUM CURATORS
25455	MUSIC DIRECTOR	10221408	MUSIC DIRECTORS
25456	MUSICIAN, INSTRUMENT	10221404	MUSICIANS,INSTRUME
25457	NURSE, PROFESSIONAL	10100800	NURSES,PROFESSIONAL
25458	OCCUPATIONAL THERAPI	10101801	OCCUPATIONAL THERA
25459	OPTOMETRIST	10101000	OPTOMETRISTS
25461	PAINTER,ARTISTIC	10221604	PAINTERS,ARTISTIC
25462	PARALEGAL PERSONNEL	10242203	PARALEGAL PERSONNE
25465	PERS & LAB REL SPEC	10242802	PERSONNEL,LABOR RE
25466	PHARMACIST	10101200	PHARMACISTS
25468	PHYSICAL THERAPIST	10101804	PHYSICAL THERAPIST
25469	PHYSICIAN AND/OR SUR	10101400	PHYSICIANS &/OR SURG
25470	PODIATRIST	10101600	PODIATRISTS
25472	PUBLIC-RELATIONS PRA	10222000	PUBLIC RELATIONS SPE
25475	DIRECTOR OF RELIGIOU	10241200	DIRECTORS,REL ACT &/

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25476	REPORTERS AND CORRES	10221203	REPORTERS & CORRES
25477	RIGHT-OF-WAY AGENT	10240805	RIGHT-OF-WAY AGENT
25478	SAFETY INSPECTOR	10243804	SAFETY INSPECTORS
25479	SPORTS INSTRUCTOR	10220403	SPORTS INSTRUCTORS
25480	SINGER	10221405	SINGERS
25483	TECHNICAL DIRECTOR	10243802	TECHNICAL DIRECTOR
25484	TITLE CLERK	10243899	ALL OTHER PROFESSI
25485	TITLE EXAMINER AND/O	10243811	TITLE EXAMINERS &/
25486	UMPIRE	10220404	UMPIRES
25488	VETERINARIAN	10102000	VETERINARIANS
25489	DESIGNER	10221001	DESIGNERS
25496	ATHLETIC TRAINER	10220405	ATHLETIC TRAINERS
25501	COMMUNITY ORGANIZATI	10243405	COMMUNITY ORGANIZA
25503	WELFARE INVESTIGATOR	10243404	WELFARE INVESTIGAT
25504	JUDGE	10242001	JUDGES
25505	MAGISTRATE	10242002	MAGISTRATES
25507	TAX EXAMINER,COLLECT	10240203	TAX EXAMINERS,COLL
25517	ASSESSOR	10243817	ASSESSORS
25522	ALL OTHER THERAPIST	10101810	ALL OTHER THERAPIS
25526	CLAIM AGENT	10243812	CLAIM AGENTS
25527	APPRAISER, REAL ESTA	10243816	APPRAISERS,REAL ES
25528	FURRIER	10221003	FURRIERS
25529	BROKER'S FLOOR REPRE	10243819	BROKER'S FL REPS,S
25530	SPECIAL AGENT,INSURA	10243820	SPECIAL AGENTS,INS
25531	TRAVEL AGENT AND/OR	10243821	TRAVEL AGTS,TR ACC
25532	HOME ECONOMIST	10243899	ALL OTHER PROFESSI
25533	CLAIM EXAMINER, PROP	10243822	CLAIM EXAMINERS,PR
25534	TAX PREPARER	10240204	TAX PREPARERS
25535	GROUP RECREATION WOR	10243201	GROUP RECREATION W
25536	BUILDING INSPECTOR,	10243823	BLDG INSPECTORS,FI
25537	MANUAL-ARTS, THERAPI	10101802	MANUAL ARTS,MUSIC,
25538	SPEECH PATHOLOGIST/A	10101803	SPEECH & HEARING C
25539	AUDIOMETRIST	10101807	AUDIOMETRISTS
25540	ESTIMTR,PRINTNG SERV	10243813	ESTIMATORS,PRINTIN
25541	CORRECTIVE THERAPIST	10101808	CORRECTIVE THERAPI
25542	RESPIRATORY THERAPIST	10101809	INHALATION THERAPI
25543	CLAIMS TAKER, UNEMPL	10243818	CLAIMS TAKERS,UNEM
25544	AUDIOVISUAL SPECIALI	10242402	AUDIO VISUAL SPECI
25545	EXTENSION SERVICE SP	10202004	EXTENSION SERVICE
25546	CIRRICULUM SPECIALIS	10243801	CURRICULUM SPECIAL
25548	UNDERWRITER	10243814	UNDERWRITERS
25550	COUNTY AGRICULTURAL	10241400	COUNTY AGRIC. SPECIA
25551	CONTRACT ADMINISTRATORS	10243825	CONTRACT ADMINISTRAT
29000	ALL OTHER PROF WKRS	10243899	ALL OTHER PROFESSI
31000	COMPUTER PROGRAMMER	10160200	COMPUTER PROGRAMMERS
31001	COMPUTER PROG, BUS	10160200	COMPUTER PROGRAMERS
31002	COMPTR PROG,SCI&TECH	10160200	COMPUTER PROGRAMMERS
32000	ENGINEERING TECHNICI	10081898	ALL OTHR ENGINEERI
32001	COMPUTER,PROSPECTING	10081803	COMPUTERS,PROSP &
32003	DRAFTER	10080601	DRAFTERS
32004	ELECT & ELECTRO TECH	10080803	ELECTRICAL & ELECT
32005	OBSERVER,ELECTRICAL	10081804	OBSERVERS,ELEC PROSP/GRAV PROSP
32007	SCOUT	10081809	SCOUTS
32008	SURVEYOR	10081600	SURVEYORS
32009	RADIOGRAPHER	10081898	ALL OTHER ENGINEERS
32010	MECHANICAL ENG TECH	10081400	MECHAN ENGINEERING T
32011	TOOL PROG,NUM CONTRL	10141200	TOOL PROGRAMMERS,NUM
32012	TRAFFIC TECHNICIAN	10081813	TRAFFIC TECHNICIAN
32013	SPECTROSCOPIST	10081898	ALL OTHER ENGINEERS
32014	SPECIFICATION WRITER	10081898	ALL OTHER ENGINEERS
32015	SOUND RECORDING AND	10080801	SOUND RECORDING &
32016	VIDEO-RECORDING ENGI	10080802	VIDEO RECORDING EN
32017	BROADCAST TECHNICIAN	10080808	BROADCAST TECHNICI
32018	LIGHT TECHNICIAN	10081815	LIGHT TECHNICIANS
32019	INDUSTRIAL ENG TECH	10081000	INDUSTRIAL ENGINRING
32020	CIVIL ENG TECH	10081816	CIVIL ENGINEERING
32021	ESTMATR & DRFTR, UTL	10080602	ESTIMATORS & DRAFT
32900	ALL OTHER ENG TECH	10081898	ALL OTHR ENGINEERI
33000	SCIENCE TECHNICIANS	10081899	ALL OTHER SCIENCE
33001	PHYSICAL SCIENCE TEC	10081899	ALL OTHER SCIENCE
33002	BIOL SCIENCE TECH	10081899	ALL OTHER SCIENCE
33004	COLORIST	10081811	COLORISTS TEXTILES
33005	TIMBER CRUISER	10081808	TIMBER CRUISERS
33900	ALL OTHR SCIENC TECH	10081899	ALL OTHER SCIENCE
34002	AIR TRAFFIC CONTROLL	10140400	AIR TRAFFIC CONTROLL
34003	DENTAL ASSISTANT	10120401	DENTAL ASSISTANTS
34010	FLIGHT ENGINEER	10140800	FLIGHT ENGINEERS
34013	LICENSED PRACTICAL N	10121010	LICENSED PRACTICAL

34015	MATHEMATICAL TECHNIC	10081200	MATHEMATICAL TECHNIC
34016	PHYSICIAN'S ASSISTAN	10141404	ALL OTHER TECHNICI
34019	MUSEUM TECHNICIAN AN	10141401	MUSEUM TECHNICIANS
34021	ORTHOPIST	10121004	ORTHOPISTS
34022	PAINTINGS RESTORER	10221605	PAINTINGS RESTORER
34023	AIRPLANE PILOT	10140200	AIRPLANE PILOTS
34026	RADIATION MONITOR	10141404	ALL OTHER TECHNICI
34027	RADIO OPR	10141000	RADIO OPERATORS
34029	TECH ASST LIBRARY	10141405	TECHNICAL ASSISTAN
34034	SURGICAL TECHNICIAN	10121002	SURGICAL TECHNICIA
34035	TAXIDERMIST	10141403	TAXIDERMISTS
34036	RADIOLOGIC TECH	10120801	X-RAY TECHNICIANS
34038	MANUAL-ARTS, MUSIC,	10101802	MANUAL ARTS,MUSIC,
34047	PHARMACY HELPER	10121009	PHARMACY HELPERS
34048	MEDICAL-RECORD LIBRA	10120600	MEDICAL RECORD LIBRA
35000	MEDICAL AND DENTAL T	10121099	ALL OTHER MED & DE
35001	DENTAL HYGIENIST	10120402	DENTAL HYGIENISTS
35002	MEDICAL LABORATORY T	10120201	MEDICAL LAB TECHNO
35003	BIOCHEMISTRY TECHNOL	10120202	BIOCHEMISTRY TECHN
35004	MICROBIOLOGY TECHNOL	10120203	MICROBIOLOGY TECHN
35005	CYTOTECHNOLOGIST	10120204	CYTOTECHNOLOGISTS
35006	HISTOLOGIC TECHNOLOG	10120205	HISTOLOGIC TECHNOL
35007	NUCLEAR MEDICINE TEC	10120804	RADIOLOGIC TECHS &
35008	RADIATION THERAPY TE	10120804	RADIOLOGIC TECHS &
35009	PROSTHETIST-ORTHOTIS	10121005	PROSTHETISTS,ORTHO
35010	MEDICAL LAB TECH	10120206	MEDICAL LAB ASSIST
35011	ELECTROCARDIOGRAPH T	10121006	EKG TECHNICIANS
35012	ELECTROENCEPHALOGRAP	10121007	EEG TECHNICIANS
35013	EMERGENCY MED TECH	10121008	EMERGENCY MEDICAL
35014	DIETETIC TECHNICIAN	10121011	DIETETIC TECHNICIA
35015	BLOOD BANK TECH SPEC	10120207	BLOOD BANK TECH SP
35016	PHYS THERAPY ASST	10121012	PHYSICAL THERAPY T
35018	RADIOLGC &/OR NUCLEA	10120804	RADIOLOGIC TECHS &
35900	ALL OTHER MEDICAL AN	10121099	ALL OTHER MED & DE
39000	ALL OTHR TECHNICIANS	10141404	ALL OTHER TECHNICI
41000	JANITRS,PORTRS&CLNRS	70020600	JANITORS,PORTERS,& C
41003	MAID	70020600	JANITORS,PORTERS,& C
41005	HOUSE CLEANER	70020600	JANITORS,PORTERS,& C
41900	ALL OTHER JANITORS,P	70020600	JANITORS,PORTERS,& C
42000	GUARDS & DOORKEEPERS	70100601	GUARDS & DOORKEEPE
43000	FOOD SERVICE WORKERS	70041899	ALL OTHER FOOD SER
43001	BAKER, BREAD AND/OR	70040200	BAKERS,BREAD &/OR PA
43002	BARTNDR	70040400	BARTENDERS
43003	DINING ROOM ATTENDA	70040600	DINING RM ATTNS,BAR
43004	BUTCHER AND/OR MEAT	70041400	BUTCHERS &/OR MEAT C
43006	HOSTESS,RESTAURANT,	70041601	HOSTS/HOSTESSES,RE
43007	KITCHEN HELPER	70041802	KITCHEN HELPERS
43009	WAITER OR WAITRESS	70041602	WAITERS OR WAITRES
43010	COUNTER ATTENDANT, L	70041899	ALL OTHER FOOD SER
43011	COOK,SHORT ORDER AND	70040802	COOKS,SHORT ORDER/
43013	COOK,RESTAURANT	70040803	COOKS,RESTAURANT
43014	FOOD PREPARATION AN	70041804	FD PREP & SERV WKR
43015	PANTRY,SANDWICH AND/	70041805	PANTRY,SANDWICH,&/
43016	COOK,INSTITUTION	70040804	COOKS,INSTITUTIONA
43900	ALL OTHER FOOD SERVI	70041899	ALL OTHER FOOD SER
44001	CHILD CARE ATTENDANT	70081601	CHILD CARE ATTENDA
44002	BARBER	70081000	BARBERS
44003	BELLHOP,BAGGAGE PORT	70080801	BELLHOPS,BAG PORTE
44006	COSMETOLOGIST AND/O	70082001	COSMETOLOGISTS/WM'
44007	COSTUMER	70080603	COSTUMERS
44008	COSTUMER ASSISTANT	70200099	ALL OTHER SERVICE
44009	CREMATOR	70080605	CREMATORS
44010	DETECTIVE	70101001	DETECTIVES, PRIVAT
44011	ESCORT AND/OR CHAPER	70080606	ESCORTS &/OR CHAPE
44012	FLIGHT ATTENDANT	70080200	FLIGHT ATTENDANTS
44014	SUPRVSR,NONWRKG SERV	70200001	SUPERVISORS,NONWOR
44015	FUNERAL ATTENDANT	70080607	FUNERAL ATTENDANTS
44017	TRAVEL GUIDE	70080608	GUIDES,TRAVEL
44019	HOUSEKEEPER	70080616	HOUSEKEEPERS,HOTEL
44021	BAGGAGE PORTER	70080802	BAGGAGE PORTERS
44022	MAKE-UP ARTIST	70200099	ALL OTHER SERVICE
44023	MANICURIST	70082003	MANICURISTS
44024	MASSEUR OR MASSEUSE	70080609	MASSEURS OR MASSEU
44025	NURSE AIDE AND/OR OR	70061010	NURSES AIDES/ORDER
44027	PROTECTIVE-SIGNAL OP	40066831	PROTECTIVE SIGNAL
44028	PSYCHIATRIC AID	70061011	PSYCHIATRIC AIDES
44029	RECREATION FACILITY	70080401	RECREATION FACILIT
44031	GAME OPRS,RIDE	70080402	GAME OPS,RIDE OPS,

44032	SCALP TREATMENT OPER	70082004	SCALP TREATMENT OP
44033	STEWARD,SHIP	70082200	STEWARDS,SHIP
44034	USHER,LOBBY ATTENDAN	70082800	USHERS,LOBBY ATTNS,T
44035	CROSSING OR BRIDGE T	70100202	CROSSING OR BRIDGE
44036	WIG DRESSER	70200099	ALL OTHER SERVICE
44037	BOOTBLACK	70081400	BOOTBLACKS
44038	SHAMPOOER	70082006	SHAMPOOERS
44040	INSTRUCTOR,REDUCING	70080611	INSTRUCTORS,REDUCI
44043	ORTHOPEDIC-CAST SPEC	70061012	ORTHOPEDIC CAST SP
44055	CHECKER,FITTING ROO	70100602	CHECKERS,FITTING R
44059	FOREST CONSERVATION	80002831	FOREST CONSERVATIO
44060	FISH AND GAME WARDEN	70100606	FISH & GAME WARDEN
44062	SCHOOL CROSSING GUAR	70100203	SCHOOL CROSSING GU
44063	CROSSING OR BRIDGE T	70100202	CROSSING OR BRIDGE
44073	STORE DETECTIVE	70101002	STORE DETECTIVES
44075	GUIDE,SIGHTSEEING OR	70080619	GUIDES,SIGHTSEEING
44076	ELEVATOR OPR	70081800	ELEVATOR OPERATORS
44077	CHILD-CARE WORKER	70081602	CHILD CARE WORKERS
44078	LIFEGUARD	70080407	LIFEGUARDS
44079	CHECKROOM AND LOCKER	70080618	CHECKROOM & LOCKER
44080	SOCIAL SERVICE AIDE	70083000	SOCIAL SERVICE AIDES
44081	MEDICAL ASSISTANT	70061013	MEDICAL ASSISTANTS
44082	OCCUPATIONAL THERAPY	70060400	OCCUPATIONAL THERAPY
44083	RAILROAD POLICE	70101003	RAILROAD POLICE
44084	SECURITY CHECKER	70100605	SECURITY CHECKERS
44085	SCHOOL MONITOR	70082600	SCHOOL MONITORS
44086	MORTUARY BEAUTICIAN	70080602	MORTUARY BEAUTICIA
44501	POLICE/DET SUPERVISO	70101004	POLICE OFFICERS
44502	DETECTIVE,POLICE	70101005	POLICE DETECTIVES
44503	POLICE PATROL OFFICR	70101006	POLICE PATROLMEN/W
44504	PARKING ENFORCEMENT	70101007	PARKING ENFORCEMEN
44505	CORRECTION OFFICER A	70100607	CORRECTION OFFICER
44506	SHERIFF	70101201	SHERIFFS
44507	BAILIFF	70101202	BAILIFFS
44508	U.S. MARSHALL	70100800	U.S. MARSHALLS
44551	FIRE INSPECTOR	70100402	FIRE INSPECTORS
44552	FIRE FIGHTER	70100401	FIRE FIGHTERS
44553	FIRE FIGHTING SUPERV	70100403	FIRE OFFICERS
49000	ALL OTHR SERV WRKS	70200099	ALL OTHER SERVICE
51002	MECHANIC, AIRCRAFT	50080400	AIRCRAFT MECHANICS
51004	PROTECTIVE-SIGNAL IN	50083220	PROTECTIVE SIGNAL INST/REPAIRERS
51008	MECHANIC, AUTOMOTIVE	50081001	AUTOMOTIVE MECHANI
51012	BODY REPAIRER,AUTOMO	50080800	AUTO BODY REPAIRERS
51016	BICYCLE REPAIRER	50083202	BICYCLE REPAIRERS
51017	CAMERA REPAIRER AND/	50083203	CAMERA REPAIRERS
51019	DIESEL MECHANIC	50083222	DIESEL MECHANICS
51020	ELEC-MOTOR REPAIRER	50083204	ELECTRIC MOTOR REP
51021	ELECTRIC-TOOL REPAIR	50083205	ELECTRIC TOOL REPA
51023	ELEC INSTRMNT REPAIR	50083206	ELECTRICAL INSTRUM
51024	ELECTROMEDICAL EQUIP	50083224	ELECTROMEDICAL EQU
51025	FARM EQUIPMENT MECHA	50081600	FARM EQUIPMENT MECHA
51027	ELECTRIC-METER INSTA	50082002	ELECTRIC METER INS
51030	GAS METER INSTALLER	50082004	GAS METER INSTALLE
51031	GASOLINE-ENGINE OR M	50083207	GASOLINE ENGINE,MO
51032	GUNSMITH	50083208	GUNSMITHS
51034	ENG-EQUIPMENT MECH	50081803	ENGINEERING EQUIPM
51036	HYDROELECTRIC-MACHIN	50081804	HYDROELECTRIC MACH
51037	INSTRUMENT RPR, OPTI	50083210	INSTRUMENT REPAIRE
51039	LAUNDRY-MACH MECH	50083211	LAUNDRY MACHINE ME
51040	LOCKSMITH	50083212	LOCKSMITHS
51041	MINE-MACHRY MECHA	50081805	MINE MACHINERY MEC
51042	MARINE MECHANIC AND/	50081806	MARINE MECHANICS/R
51043	MECHANIC, MAINTENANC	50081807	MAINTENANCE MECHAN
51044	PINSETTER MECHANIC,A	50083225	PINSETTER MECHANIC
51046	OFFICE MACH SERVI	50082400	OFF MACH SERVICERS/C
51049	POWER-TRANSFORMER RE	50081808	POWER TRANSFORMER
51051	RADIO MECHANIC	50082600	RADIO & TV SERVICERS
51052	REFRIG/AIR COND MECH	50080200	REFRIG MECHANICS,A/C
51055	TELEVISION SERVICER	50082600	RADIO & TV SERVICERS
51056	VENDNG MACH SER/REPR	50083215	COIN MACHINE SERVI
51057	MOTORBOAT MECHANIC	50083299	ALL OTHER MECHANIC
51058	TREATMENT-PLANT,MECH	50081810	TREATMENT PLANT ME
51059	HOUSEHOLD-APPLIANCE	50082012	HOUSEHOLD APPLIANC
51061	KNITTING-MACH FIXER	50081811	KNITTING MACHINE F
51062	LOOM FIXER	50082200	LOOM FIXERS
51064	MACH ADJUSTER	50081813	MACHINE ADJUSTERS
51065	SECT REPAIRER & SETR	50081814	SECTION REPAIRERS
51066	CAR REPAIRER	50082803	CAR REPAIRERS

51070	MECHANIC,SEWING MACH	50083218	SEWING MACHINE MEC
51071	COOPER,HOGSHEAD	50144804	HOGSHEAD COOPERS
51077	ELECTRONIC MECHANIC	50083299	ALL OTHER MECHANIC
51078	WATER METER INSTALLE	50082009	WATER METER INSTAL
51079	DATA PRCSS MACH REPR	50081400	DATA PROCESSING MACH
51080	GAS AND ELECTRIC APP	50082005	GAS & ELEC APPLIAN
51081	ELEVTR INSTALLR/REPR	50081801	ELEVATOR INSTALLER
51900	ALL OTHR MECH & REPR	50083299	ALL OTHER MECHANIC
52001	DEVELOPING-MACH OP	61084400	OTHER PHOTO PROCESS
52002	DVLPR &OR PROJ PRNTR	61084400	OTHER PHOTO PROCESS
52004	NEGATIVE CUTTER AND/	61084400	OTHER PHOTO PROCESS
52005	MULTIPLE-PHOTOGRAPHI	61084400	OTHER PHOTO PROCESS
52006	PRINT DEVELOPER, MAC	61084400	OTHER PHOTO PROCESS
52007	PHOTO CHECKER AND AS	61084400	OTHER PHOTO PROCESS
52008	PHOTOGRAPHER HELPER	61084400	OTHER PHOTO PROCESS
52009	COPY CAMERA OPRERATORS	61084400	OTHER PHOTO PROCESS
52011	FILM PRINTER,MOTION	61084400	OTHER PHOTO PROCESS
52900	ALL OTHER DARKROOM W	61084400	OTHER PHOTO PROCESS
53001	MARKER,CLASSIFIER,WE	61082801	MARKERS,CLASSIFIER
53002	SPOTTER, DRY CLEANIN	61082802	SPOTTERS,DRYCLEANI
53003	SPOTTER, WASHABLE MA	61082803	SPOTTERS,WASHABLE
53004	WASHER, MACH AND/	61082804	WASHERS,MACH &/OR
53005	TUMBLER OPR	61082805	TUMBLER OPERATORS
53006	DRY-CLEANING-MACH	61082806	DRYCLEANING MACHIN
53008	DRY CLEANER, HAND	61082807	DRYCLEANERS,HAND
53011	LAUNDRY OPR,SMA	61082809	LAUNDRY OPERATORS,
53014	PRESSER, HAND	61081201	PRESSERS,HAND
53015	PRESSER,MACHINE	61081202	PRESSERS,MACHINE
53016	LAUNDRY PRESSER,MACH	61081203	PRESSERS,MACHINE,L
53017	FUR CLEANER	61082810	FUR CLEANERS
53019	FUR-GLAZING-AND-POLI	61082811	FUR GLAZING & POLI
53021	RUG CLEANER, HAND	61082812	RUG CLEANERS,HAND
53022	RUG CLEANER, MACH	61082813	RUG CLEANERS,MACHI
53024	RUG REPAIRER	63000000	ALL OTHER SEMISKILLED WKRS
53029	SHOE DYER	50143601	SHOE DYERS
53030	SHOE REPAIRER	50143602	SHOE REPAIRERS
54000	TRUCK DRIVER	62002201	TRUCK DRIVERS
54001	TRUCK DRIVER, HEAVY	62002201	TRUCK DRIVERS
54002	TRUCK DRIVER, LIGHT	62002201	TRUCK DRIVERS
54003	TRACTOR-TRAILER TRUC	62002201	TRUCK DRIVERS
55A01	AUTO SPRNG COIL MACH	61085811	AUTOMAT SPRING COI
55A04	AIR-HAMMER OPR	80000601	AIR HAMMER OPERATO
55A08	ASBSTS & INSULAT WKS	61080200	ASBESTOS & INSULATIO
55A09	ASPHALT-HEATER TENDE	80000602	ASPHALT HEATER TEN
55A12	AUGER-MACH OPERAT	61081801	AUGER MACHINE OPER
55A13	AUTOMOBILE REPAIR-S	50081003	AUTO REPAIR SERVIC
55A14	AUTOMATIC MAINTAINER	50121006	AUTOMATIC MAINTAIN
55A16	BAGGAGE HANDLER	70080803	BAGGAGE HANDLERS
55A18	BILLPOSTER	61089203	BILLPOSTERS
55A20	BLACKSMITH	50060200	BLACKSMITHS
55A21	BLASTR,MINNG&QUARRYG	61080601	BLASTERS,MINING &
55A22	BLASTER,CONSTRUCTION	61080602	BLASTERS,CONSTRUCT
55A24	BOILERMAKER	50060400	BOILERMAKERS
55A25	BONDER AND/OR WIRER	63000000	ALL OTHER SEMISKILLED WKRS
55A26	HEADER,BOTTOMER,CAR	61083602	HEADERS,BOTTOMERS,
55A27	BALLAST CLEANING-MAC	50021810	BALLAST CLEAN MACH
55A29	BRAKER, TRAIN	62001600	BRAKERS,TRAIN
55A30	BRATTICE BUILDER	61083604	BRATTICE BUILDERS
55A31	BRICKLAYER	50020601	BRICKLAYERS
55A33	BLUEPRINTING MACH	61084400	OTHER PHOTO PROCESS
55A36	BUS DRIVER	62000401	BUS DRIVERS
55A38	CABINETMAKER	50140400	CABINETMAKERS
55A39	CABLE DRILLER	61081802	CABLE DRILLERS
55A40	CABLE INSTALLER	50121008	CABLE INSTALLERS
55A42	CABLE REPAIRER	50121007	CABLE REPAIRERS
55A43	CABLE SPLICER	50120201	CABLE SPLICERS
55A44	CARPET CUTTER AND/O	50140600	CARPET CUTTERS,CARPE
55A47	CARPENTERS	50020201	CARPENTERS
55A48	CASER	61083606	CASERS
55A51	CEMENT MASON	50021201	CEMENT MASONS
55A52	CARPET SEWER	63000000	ALL OTHER SEMISKILLED WKRS
55A54	CEMENTER, OIL WELL	61083607	CEMENTERS,OIL WELL
55A55	CENTRAL OFFICE REPAI	50121010	CENTRAL OFFICE REP
55A60	CLEAN-OUT DRILLER	61083609	CLEAN OUT DRILLERS
55A61	CLEANER, VEHICLE	80002401	CLEANERS,VEHICLE
55A62	COAL WASHER	61083610	COAL WASHERS
55A64	CMPSITR &/OR TYPESTR	50100400	COMPOSITORS &/OR TYP
55A67	CONCRETE-MIXER OPERA	50021802	CONCRETE MIXER OPE

55A68	CONCRETE-WALL GRINDE	50021202	CONCRETE WALL GRIN
55A69	CONCRETE RUBBER	50021203	CONCRETE RUBBERS
55A71	CONDUCTOR, TRAIN	20061200	CONDUCTORS,TRAIN
55A72	CONDUIT MECHANIC	50144899	ALL OTHER SKILLED
55A74	CONTINUOUS-MINING-MA	61083612	CONTINUOUS MINING
55A75	CONTROL ROOM OPR	50144002	CONTROL ROOM OPERA
55A79	COOK AND/OR COOKER	61086035	COOKS &/OR COOKERS
55A80	CORROSION CONTROL FI	50144899	ALL OTHER SKILLED
55A82	CRNE,DRRCK,&HOIST OP	50140801	CRANE,DERRICK,& HO
55A83	CRATER	50144899	ALL OTHER SKILLED
55A86	CUTTING MACH OPER	61083615	CUTTING MACHINE OP
55A87	DELIVERY & ROUTE WKR	62000801	DELIVERY & ROUTE W
55A88	DERRICK OPR, PETROL	61083616	DERRICK OPERATORS,
55A89	DIESEL PLANT OPR	50144003	DIESEL PLANT OPERA
55A90	DISPATCHER, MINE CAR	50040002	DISPATCHERS,MINE C
55A91	DRAWER-IN, HAND	61040208	DRAWERS-IN,HAND
55A92	DISPATCHER, RELAY	50144023	DISPATCHERS,RELAY
55A93	MERCHANDISE DISPLAYE	50141000	MERCHAN DISPLAYERS &
55A96	DREDGE-DIPPER TNDR	80000605	DREDGE DIPPER TEND
55A97	DREDGE PIPE INSTALLE	80000606	DREDGE PIPE INSTAL
55A98	DREDGE OPR	50021803	DREDGE OPERATORS
55B02	DRIER OPR, COAL OR	61083618	DRIER OPERATORS,CO
55B03	DRILLER, HAND	61081803	DRILLERS,HAND
55B04	DRILLER, MACH	61081804	DRILLERS,MACHINE
55B05	DRY-WALL APPLICATOR	61082001	DRY WALL APPLICATO
55B06	DUBBING MACH OPER	61084400	OTHER PHOTO PROCESS
55B07	DUMP OPR	63000000	ALL OTHER SEMISKILLED WKRS
55B10	ELECTRIC-TRACK-SWITC	50082801	ELECTRIC TRACK SWI
55B11	EXTRACTR/EXT PLNT OP	63000000	ALL OTHER SEMISKILLED WKRS
55B12	ELECTRICIAN	50021401	ELECTRICIANS
55B14	ELECTRICIAN, OFFICE	50121005	ELECTRICIANS,OFFIC
55B15		50144004	AUXILIARY EQUIPMEN
55B17	EXTERMINATOR	61089204	EXTERMINATORS
55B18	FENCE ERECTOR	80000607	FENCE ERECTORS
55B19	FILERS,GRINDERS,ETC.	61082401	FILERS,GRINDERS,BU
55B22	FINE-GRADER	50021805	FINE-GRADERS
55B23	FIRE BOSS	50142201	FIRE BOSSES
55B24	FIRER, LOCOMOTIVE	50120600	FIRERS,LOCOMOTIVE
55B25	FIRER, MARINE	61085618	FIRERS,MARINE
55B26	FITTER, PIPELAYING	50023202	FITTERS,PIPELAYING
55B28	FLOOR SANDING MACHIN	50022000	FLOOR SANDING MACHIN
55B29	SUPERVISOR,NONWRKING	50040003	SUPERVISORS,NONWOR
55B30	FOLDER, LAUNDRY	61082818	FOLDERS,LAUNDRY
55B31	FORM SETTER,METAL RO	80000603	FORM SETTERS,METAL
55B32	FORM TAMPER OPR	50021806	FORM TAMPER OPERAT
55B34	FORMATION TESTING OP	61038604	FORMATION TESTING
55B35	FRAME WIRER	50121009	FRAME WIRERS
55B36	FUMIGATOR	61089205	FUMIGATORS
55B37	FURNACE INSTALLER-A	50080200	REFRIG MECHANICS,A/C
55B39	GAGER	61083620	GAGERS
55B41	GAS-COMPRESSOR OPERA	50144899	ALL OTHER SKILLED
55B42	DISPATCHER,GAS	40065201	GAS DISPATCHERS
55B44	GEAR CUTTING, GRIND	63000000	ALL OTHER SEMISKILLED WKRS
55B45	NATURAL-GAS-TREATING	61089206	NAT GAS TREATING U
55B47	GAS-PUMPING-STATION	50144006	GAS PUMPING STATIO
55B48	GLAZIER	50141802	GLAZIERS
55B49	GROUND WORKER, UTILI	80002899	ALL OTHER LABORERS
55B51	HEATER,METAL	61020800	HEATERS,METAL
55B52	HEAVY EQUIPMENT OPER	50021807	HEAVY EQUIPMENT OP
55B53	HOSTLER	50120403	HOSTLERS
55B54	RIGGER	80002822	RIGGERS
55B55	HYDRAULIC OPR	61081805	HYDRAULIC OPERATOR
55B56	INCINERATOR OPR	63000000	ALL OTHER SEMISKILLED WKRS
55B57	INDUSTRIAL TRUCK OPE	62001001	INDUSTRIAL TRUCK O
55B58	INSPECTOR	50142202	INSPECTORS
55B59	INSTALLER REPAIRER A	50121001	INSTALLERS,REPAIRE
55B60	INSTALLER RPR A, TEL	50121002	INSTALLERS,REPAIRE
55B61	INSTRUCTOR, BUS, AND	50144813	INSTRUCTORS,BUS &/
55B62	INSTRUMENT REPAIRER	50083221	INSTRUMENT REPAIRE
55B65	INSTRCTR,APPRL&TEX M	50144815	INSTRUCTORS,APPARE
55B66	JEWLR &/OR SILVRSMT	50142401	JEWELERS &/OR SILV
55B67	LAMINTNG-MCH OP,FURN	61086819	LAMINATING MACH OP
55B68	LAMP KEEPER/REPAIRER	61083621	LAMP KEEPERS,REPAI
55B69	LATHER	61082002	LATHERS
55B70	LENS GRINDER	50143001	LENS GRINDERS
55B72	LINE WALKER	50142209	LINE WALKERS
55B73	LINE INSTALLER-REPAI	50120202	LINE INSTALLERS,RE
55B74	LEAF CONDITIONER	61089079	LEAF CONDITIONERS,

55B75	LOADR,TNK CR&/OR TRK	80001019	LOADERS,TANK CARS
55B77	LIQUEFICATION-AND-RE	50144007	LIQUEFICATION-REGA
55B78	LOADING-MACH OPER, U	61083622	LOADING MACHINE OP
55B79	LOCOMOTIVE ENGINEER	50120405	LOCOMOTIVE ENGINEERS
55B80	LONG-WALL MINER OPER	61083623	LONG-WALL MINER OP
55B81	LONG-WALL MINER OP H	61083624	LONG-WALL MINER OP
55B84	MACHINIST	50061206	MACHINISTS
55B85	MATTRESS MAKER	50144608	MATTRESS MAKERS
55B86	MAINT RPAIR,GEN UTIL	50144821	MAINTENANCE REPAIR
55B87	HELPER,TRADES	80002823	ALL OTHER HELPERS,
55B89	MARINE-SERVICE-STATI	61082603	MARINE SERVICE STA
55B91	METAL FABRICATOR	50144899	ALL OTHER SKILLED
55B92	MICROPHONE-BOOM OPER	10080806	MICROPHONE BOOM OP
55B93	MIXER	61083856	MIXERS,FOOD & TOBA
55B95	MILLWRIGHT	50061600	MILLWRIGHTS
55B96	MENDER	61085204	MENDERS
55B97	SUBWAY/STREETCAR OP	62000600	STREETCAR OPERATORS
55B98	DINKEY OPR	63000000	ALL OTHER SEMISKILLED WKRS
55C02	MUD-PLANT OPR	61083626	MUD PLANT OPERATOR
55C04	OIL-BURNER-INSTALLE	50080200	REFRIG MECHANICS,A/C
55C05	OIL PUMPER	50144008	OIL PUMPERS
55C06	OILER	61084000	OILERS
55C07	MUSICAL INSTRUMENT R	50144826	MUSICAL INSTRUMENT
55C08	ORDER FILLER	80002001	ORDER FILLERS
55C09	PHOTOGRAPH RETOUCHER	61084400	OTHER PHOTO PROCESS
55C10	OVEN OPR	61086292	OVEN OPERATORS
55C11	PAINTER, AUTOMOTIVE	61084201	PAINTERS,AUTOMOTIV
55C12	PAINTER, MAINTENANCE	50022200	PAINTERS,MAINTENANCE
55C16	PAPERHANGER	50022600	PAPERHANGERS
55C17	PARKING-LOT ATTENDAN	62001400	PARKING LOT ATTENDAN
55C19	PERFORATOR OPR, OIL	61080604	PERFORATOR OPERATO
55C20	PANELBOARD OPR	61083643	PANELBD OPERATORS,
55C22	PROPERTY HANDLER	80001011	PROPERTY HANDLERS
55C23	PIPELAYER	80000609	PIPELAYERS
55C24	PIPE STRIPPER	61088851	PIPE STRIPPERS
55C25	PIPE WRAPPING MACHIN	61088601	PIPE WRAPPING MACH
55C26	COATING INSPECTOR, P	50142208	COATING INSPECTORS
55C27	POURER, METAL	61020435	POURERS,METAL
55C28	PLASTERER	50022801	PLASTERERS
55C29	ELECTROPLATER	61021201	ELECTROPLATERS
55C30	PLUMBR &/OR PIPEFITR	50023203	PLUMBERS &/OR PIPE
55C34	POWER REACTOR OPERAT	50120800	SWITCHBOARD OPS,GENE
55C36	PRESS OPERATOR AND/	50101201	PRESS OPERATORS,PL
55C39	PRODUCTION PACKAGER	61060802	PRODUCTION PACKAGE
55C40	MOTION PICTURE PROJE	50142800	MOTION PICTURE PROJE
55C42	STATION ENGINEER, MA	50144024	STATION ENGINEERS,
55C43	PUMPER, HEAD	50144010	PUMPERS,HEAD
55C46	RFRACTRY MATER RPAIR	50020606	REFRACTORY MATERIA
55C47	ROCK SPLITTER, QUARR	61083627	ROCK SPLITTERS,QUA
55C50	REAGENT TENDER	61083802	REAGENT OPERATORS
55C51	REFUSE COLLECTOR	80001200	REFUSE COLLECTORS
55C52	REINFORCING-IRON WOR	80000610	REINFORCING-IRON W
55C53	RIG-BUILDER	61083628	RIG BUILDERS
55C54	ROLL FORMING MACH OP	61088286	ROLL FORMING MACH
55C56	ROCK-DUST SPRAYER	61083644	ROCK-DUST SPRAYERS
55C57	ROOF BOLTER	50020202	ROOF BOLTERS
55C58	ROOFER	50023600	ROOFERS
55C59	ROTARY DRILL OPR	61081808	ROTARY DRILL OPERA
55C60	ROTARY-DRILL OP HEL	61051809	ROTARY DRILL OPER
55C61	ROUSTABOUT	61083629	ROUSTABOUTS
55C62	DENTAL-LABORATORY TE	50141200	DENTAL LAB TECHNICIA
55C64	SAND &/OR SHOTBLASTR	61082402	SANDBLASTERS/SHOTB
55C65	SEWER, CUSTOM	61081600	SEWERS,CUSTOM
55C68	SCRAPPR &/OR STRIPPR	61087063	SCRAPPERS/STRIPPER
55C69	SERVICE UNIT OPR	61083632	SERVICE UNIT OPERA
55C70	OIL WELL WALL SAMPLE	61083633	OIL WELL WALL SAMP
55C71	SEWAGE-PLANT OPR	50144013	SEWAGE PLANT OPERA
55C73	TRENCH SEWER SHAPER	80000611	TRENCH SEWER SHAPE
55C75	SEWER TAPPER	80000612	SEWER TAPPERS
55C76	SEW MC OP,REG EQP-GR	61085220	SEWING MACH OPS,RE
55C77	SEWING MACH OPERA	61085219	SEWING MACH OPS,SP
55C78	SEW MA OP,REG EQ-NON	61085205	SEWING MACH OPS,RE
55C79	OP,SPECL EQP-NONGRMT	61085215	SEWING MACH OPS,SP
55C80	SHAKER TNDR	61083634	SHAKER TENDERS
55C81	SHEET METAL WORKER	50062600	SHEET METAL WORKERS
55C82	SHOOTER AND/OR SEIS	61080605	SHOOTERS OR SHOOTE
55C83	SHUTTLE-CAR OPR	61083635	SHUTTLE CAR OPERAT
55C85	SIGN ERECTOR	50083230	SIGN ERECTORS

55C86	SIGNAL MAINTAINER	50082802	SIGNAL MAINTAINERS
55C88	SPOOLER OP,AUTOMATIC	61040619	SPOOLER OPERATORS,
55C89	STATION INSTALLER	50121003	STATION INSTALLERS
55C90	STATNARY BOILR FIRER	61085602	STATIONARY BOILER
55C91	STATIONARY ENGINEER	50144014	STATIONARY ENGINEE
55C92	STONE MASON	50020602	STONE MASONS
55C93	SORTER,TOBACCO	50142204	SORTERS,SELECTORS,
55C94	STREET-LIGHT REPAIRE	50021402	STREETLIGHT REPAIR
55C95	LAYOUT WORKER, STRUC	50023800	STRUCTURAL STEEL W
55C96	STRUCTURAL-STEEL WKR	50023800	STRUCTURAL STEEL WOR
55C97	STUCCO MASON	50022802	STUCCO MASONS
55C99	SHOP REPAIRER, INSTR	50121013	SHOP REPAIRERS,INS
55D01	SUBSTATION OPR	50120800	SWITCHBOARD OPS,GENE
55D02	SHIPRIGGER	50144812	SHIP RIGGERS
55D03	SWITCHBOARD OPR, G P	50120800	SWITCHBOARD OPS,GENE
55D04	SKIVER	61088410	SKIVERS
55D05	ALTERATION TAILOR	50144401	ALTERATION TAILORS
55D07	TAPER	61082003	TAPERS
55D09	TAXI DRIVER	62002004	TAXI DRIVERS
55D10	TECHNICAL OPR,	50142206	TECHNICAL OPERATOR
55D11	TELEGRAPH EQUIPMENT	50121004	TELEGRAPH EQUIPMT
55D12	TELEGRAPH PLANT MAIN	50121012	TELEGRAPH PLANT MA
55D14	ANIMAL CARETAKER	80000200	ANIMAL CARETAKERS
55D15	TELETYPE INSTALLER	50121014	TELETYPE INSTALLER
55D16	TERMITE TREATER	61089210	TERMITE TREATERS
55D17	TERMITE-TREATER HELP	61089211	TERMITE TREATER HE
55D18	TROUBLE LOCATOR, TES	50121011	TROUBLE LOCATORS,T
55D19	TILE SETTER	50024001	TILE SETTERS
55D21	TIPPLE-OPR	61083637	TIPPLE OPERATORS
55D22	TIRE FABRICATOR AND/	61088614	TIRE FABRICATORS,R
55D23	TOOL AND DIE MAKER	50063001	TOOL & DIE MAKERS
55D24	TOWER OPR	62001800	TOWER OPERATORS
55D25	TRACK LAYER	80002899	ALL OTHER LABORERS
55D27	LOGGING TRACTOR OPER	50021000	LOGGING TRACTOR OPER
55D28	TRAILER-RENTAL ATTEN	61082604	TRAILER RENTAL ATT
55D31	TROUBLE SHOOTER, POW	50120203	TROUBLE SHOOTERS,P
55D32	CUSTOM TAILOR	50144402	CUSTOM TAILORS
55D33	TURBINE OPR	50144015	TURBINE OPERATORS
55D35	WATCHMAKER	50142402	WATCHMAKERS
55D42	WATERSHED TNDR	50144017	WATERSHED TENDERS
55D43	WATER TREAT PLNT OPR	50144025	WATER TREATMENT PL
55D44	PUMP STATION OPR	50144019	PUMP STAT OPERATOR
55D46	WELDERS AND FLAMECUT	61022002	WELDERS & FLAMECUT
55D47	WELL PULLER	61083639	WELL PULLERS
55D48	WEAVER	61040804	WEAVERS
55D54	FURNITURE ASSEMBLER	62000802	FURNITURE ASSEMBLE
55D56	OFFST LITHOGRPHC OPR	50101202	OFFSET LITHOGRAPHI
55D57	PLATEMAKER	50101203	PLATEMAKERS
55D58	STRIPPER	50101001	STRIPPERS PRINTING
55D59	CAMERA OPR,PRINTING	50101002	CAMERA OPERATORS,P
55D60	STRIKE-ON-MACH OP	50100400	COMPOSITORS &/OR TYP
55D61	PHOTOLETTRING MAC OP	61088621	PHOTOLETTERING MAC
55D64	PIN CHASER	70080403	PIN CHASERS
55D65	RACKER, POOLROOM	70080404	RACKERS,POOLROOM
55D66	BAGGER	61060804	BAGGERS
55D67	SERV STA ATTENDANT	61082605	FUEL PUMP ATTENDAN
55D68	TIRE CHANGER	61082606	TIRE CHANGERS
55D69	OPTICIAN, DISPENSING	50143002	OPTICIANS,DISP &/O
55D71	DRAPERY AND UPHOLSTE	61089221	DRAPERY & UPHOLSTE
55D72	DRAPERY HANGER	50083201	DRAPERY HANGERS
55D73	HOUSEHOLD-APPLIANCE-	50082007	HOUSEHOLD APPLIANC
55D74	STOCK CLERK, SALES F	80002003	STOCK CLERKS,SALES
55D75	HIGHWAY-MAINTENANCE	80000628	HIGHWAY MAINTENANC
55D86	FURNITURE FINISHER	50141400	FURNITURE FINISHERS
55D87	FURNITURE UPHOLSTER	50144601	FURNITURE UPHOLSTE
55D88	SURVEYOR HELPER	61081000	SURVEYOR HELPERS
55D90	BOAT PATCHER, PLASTI	61088615	BOAT PATCHERS,PLAS
55D91	DRIER OPR	61086295	DRIER OPERATORS
55D94	TRIMMER, MACH	61085439	TRIMMERS,MACHINE
55D95	DISPATCHER, LOAD	50120800	SWITCHBOARD OPS,GENE
55D96	SEPTIC TANK SERVICER	80002832	SEPTIC TANK SERVIC
55D98	BELT REPAIRER	50144899	ALL OTHER SKILLED
55E02	ABRASIVE GRINDER	61083064	ABRASIVE GRINDERS
55E07	AGER OPR	61082201	AGER OPERATORS
55E13	ALL-AROUND TAILOR	50144899	ALL OTHER SKILLED
55E15	AMPULE FILL, SEAL OP	61087283	AMPULE FILL,SEAL,W
55E17	ASPHALT BLENDER	61083804	ASPHALT BLENDERS
55E18	ASPHLT-MIX-MACH TNDR	61083805	ASPHALT MIXERING M

55E19	ASPHLT-PLNT DRIER OP	61087408	ASPHALT-PLANT DRIE
55E20	ASPHALT-PLANT OPER	61083806	ASPHALT-PLANT OPER
55E22	ASSEMBLER	61080440	ALL OTHER ASSEMBLE
55E25	ASSM FOR PULLR-OVER	61085401	ASSEMBLERS FOR PUL
55E31	AUTO-ASSB-MACH ATTN	61087052	AUTOMATIC ASSEMBLY
55E32	BACK TNDR	61087015	BACK TENDERS
55E33	BACKTNDR,CLOTH PRINT	61041001	BACK TENDERS,CLOTH
55E34	BAG-MACH OPR	61087051	BAG MACHINE OPERAT
55E35	BAG SEWER	61085206	BAG SEWERS
55E36	BAKER	50140202	BAKERS
55E37	BAKER HELPER	61089003	BAKER HELPERS
55E38	POWER-BARKER OPR	61086808	POWER BARKER OPERA
55E42	BAND BUILDER	61087625	BAND BUILDERS
55E46	BAND-SCROLL SAW OPER	61085001	BAND SCROLL SAW OP
55E47	BARLEY STEEPER	61086277	BARLEY STEEPERS,MA
55E54	BATTERY LOADER	61041002	BATTERY LOADERS
55E55	BEAD FLIPPER	61087627	BEAD FLIPPERS
55E56	BEAD FORMING MACH OP	61087626	BEAD FORMING MACH
55E57	BEAM-DYER OPRS	61082202	BEAM DYER OPS,PKG
55E58	BEAM-WARPER TENDERS	61040601	BEAM WARPER TENDER
55E61	BEATER ENGINEER	61087019	BEATER ENGINEERS
55E62	BEATER	61087018	BEATERS
55E63	BED LASTER	61085402	BED LASTERS
55E66	BELT BUILDER	61087628	BELT BUILDERS
55E67	BELT MAKR,SAND DRUMS	80002818	BELT MAKERS,SANDIN
55E69	BENCH HAND, JEWELRY	61088803	BENCH HANDS,JEWELR
55E72	BEVELER	61088015	BEVELERS
55E73	BIAS MACH OPR	61081401	BIAS MACHINE OPERA
55E77	BLANCHING MACH OP	61086213	BLANCHING MACHINE
55E80	BLEACHER OPER, PULP	61087020	BLEACHER OPERATORS
55E81	BLEACH-RANGE OPR	61041003	BLEACH-RANGE OPS,K
55E84	BLENDING-MACH OPE	61086607	BLENDING MACHINE O
55E86	BLOCKMAKING MACH OPR	61088038	BLOCKMAKING MACHIN
55E88	BOARDNG-MA OP,HOSERY	61041004	BOARDING MACH OPER
55E89	BOBBIN SORTER	63000000	ALL OTHER SEMISKILLED WKRS
55E90	BOBBIN WINDERS, MACH	61040604	BOBBIN WINDERS,MAC
55E92	BOIL-OFF MA OP,CLOTH	61041005	BOIL-OFF MACHINE O
55E95	BONER, MEAT	61083201	BONERS,MEAT
55E96	BONER,POULTRY	61083202	BONERS,POULTRY
55E98	BORING-MACH OPERA	61021401	BORING MACHINE OPE
55F03	BOTTOM FILLER	61085403	BOTTOM FILLERS
55F05	BOTTOMING-MACH OP	61087053	BOTTOMING MACHINE
55F06	BOX MAKER,PAPERBOARD	61087054	BOX MAKERS,PAPERBO
55F09	BRAIDING MACH OPE	61088406	BRAIDING MACHINE O
55F10	BRAIDING MACH TENDER	61087621	BRAIDING MACH TEND
55F14	BREAKER	61088807	BREAKERS
55F15	BRICK & TILE MACH OP	61088058	BRICK & TILE MAKIN
55F19	BRIQUETTING-MACH OP	61088277	BRIQETTING MACH OP
55F23	BUFFER,HIDES OR SKIN	61087815	BUFFERS,HIDES OR S
55F24	BUFFER,SHOE PARTS	61085404	BUFFERS,SHOE PARTS
55F28	BUNCH MAKER,MACH	61086408	BUNCH MAKERS,MACHI
55F29	BUNDLER	61060803	BUNDLERS
55F30	BURLER	61041006	BURLERS
55F32	BURNISHER	61087817	BURNISHERS
55F34	BUTCHER, ALL-AROUND	61083204	BUTCHERS,ALL-AROUN
55F35	BUTTERMAKER	61086024	BUTTERMAKERS
55F37	CAGE MAKER	61088035	CAGE MAKERS,HAND O
55F38	CAKE DECORATOR	50140205	CAKE DECORATORS
55F40	CALCINER OPR	61087213	CALCINER OPERATORS
55F43	CALENDER MACH OPE	61088062	CALENDER MACH OPER
55F44	CALNDR OP,CLOTH PRES	61086604	CALENDER OPERATORS
55F47	CAL-MACH OP,KNIT GDS	61041007	CALENDERING MACH O
55F48	CANDY MAKER	61086245	CANDY MAKERS
55F51	CAP MAKER	61085208	CAP MAKERS
55F53	CARBON BLACK MAKER	61087275	CARBON BLACK MAKER
55F55	CARBON SETTER	61088269	CARBON SETTERS
55F56	CRBONATN EQ TEN,BEER	61086282	CARBONATION EQPMT
55F58	CARCASS SPLITTER	61083205	CARCASS SPLITTERS
55F60	CARD GRINDER	61040201	CARD GRINDERS
55F62	CARD TENDERS	61040202	CARD TENDRS,COMBER
55F64	CARRIER DRIVER	62001002	CARRIER DRIVERS
55F65	CATCHER	61088809	CATCHERS
55F66	CARTN-FORMNG-MACH OP	61087059	CARTON-FORMING MAC
55F67	WOOD-CARVING-MACH OP	61081404	WOOD CARVING MACHI
55F68	CASE MAKER	61080406	CASE MAKERS
55F70	CASING FINISHER	61086012	CASING FINISHERS &
55F71	CASING MACH OPERA	61086410	CASING MACHINE OPE
55F73	CASTER,POTTRY & PORC	61088810	CASTERS,PATTERY &

55F75	CASTER	61088805	CASTERS
55F76	CASTR,FINISHD PRODCT	61020404	CASTERS,FINISHED O
55F77	CASTER,INGOTS & PIGS	61020405	CASTERS,INGOTS & P
55F79	CASTING RM OP,CELLOP	61087241	CASTING RM OPERATO
55F87	DRAWING-FRAME TNDR	61040203	DRAWING FRAME & GI
55F91	CEMENTER,MACH JOINER	61085405	CEMENTERS,MACHINE
55F92	CNTRFUGL-CSTNG-MA OP	63000000	ALL OTHER SEMISKILLED WKRS
55F95	CHAIN MAKER, HAND	61088806	CHAIN MAKERS,HAND
55F97	CHAIN OFFBEARR,LUMBR	80001005	CHAIN OFFBEARERS,L
55G04	CHASER	80001801	CHASERS
55G07	CHEESEMAKER	61086029	CHEESEMAKERS
55G08	CHEESEMAKER HELPER	61089007	CHEESEMAKER HELPER
55G14	CHEMICAL OPR A	61087290	CHEMICAL OPERATORS
55G15	CHEMICAL OPR B	61087291	CHEMICAL OPERATORS
55G16	PERFORATOR OPR	61085407	PERFORATOR OPERATO
55G17	CHEMICAL OPER HELPER	61087288	CHEMICAL OPERATOR
55G18	CHICKEN CUTTER	61089008	CHICKEN CUTTERS
55G20	CHIPPER	61088408	CHIPPERS
55G22	CHOKER SETTER,LUMBER	80001802	CHOKER SETTERS,LUM
55G23	CHOPPED-STRAND OPERA	61081405	CHOPPED-STRAND OPE
55G24	CIGARETTE FILR MA OP	61086414	CIGARETTE FILTER M
55G25	CGARETTE MAKNG MA OP	61086413	CIGARETTE-MAKING M
55G31	AUTO CLIPPER, VENEER	61081407	AUTOMATIC CLIPPERS
55G32	CLOTH FEEDERS	61041008	CLOTH FEEDERS &/OR
55G33	FINISHING-RANGE TNDR	61041009	CLOTH FINISHING RA
55G34	FINISHING-RANGE OPER	61041010	CLOTH FINISHING RA
55G35	CLOTH PRINTER	61041011	CLOTH PRINTERS
55G36	CLOTH-SHRINKNG-MA OP	61041012	CLOTH SHRINKING MA
55G37	CLOTH TRIMMERS, MACH	61086609	CLOTH TRIMMERS,MAC
55G38	CLOTH OR CARPT WINDR	61040605	CLOTH OR CARPET WI
55G39	COATER, PILL	61087285	COATERS,PILL
55G43	COATR OP,OFF-MACHINE	61087023	COATER OPERATORS,O
55G46	COATING MACH OPER	61086608	COATING MACHINE OP
55G48	COATING MIXER TNDR	61083817	COATING MIXER TEND
55G49	COBBLER	50143603	COBBLERS
55G51	COILER,WINDER	61088229	COILERS,WINDERS,&/
55G56	COMBINER OPR	63000000	ALL OTHER SEMISKILLED WKRS
55G58	COMPOUNDER	61083818	COMPOUNDERS
55G60	COMPRESSOR, TABLET	61087284	COMPRESSORS,TABLET
55G63	CONCRETE-PIPE MAKER	61088814	CONCRETE PIPE MAKE
55G64	CONCRETE-STONE FABRI	61088040	CONCRETE STONE FAB
55G65	CONCRETE-STONE FINIS	50021205	CONCRETE STONE FIN
55G67	CONTOUR GRINDER	50144202	CONTOUR GRINDERS
55G68	CONTRL PANL OP,PETRO	61087409	CONTROL PANEL OPER
55G71	CONVOLUTE-TUBE WINDR	61085801	CONVOLUTE OR SPIRA
55G78	COOLR RM WORKER,MEAT	61089009	COOLER ROOM WORKER
55G81	COOLING-MACH OPER	61086283	COOLING MACHINE OP
55G85	COREMAKER,HAND	61088403	COREMAKERS,HAND,BE
55G86	COREMAKER,MACHINE	61088274	COREMAKERS,MACHINE
55G89	CORNER CUTTER	61081409	CORNER CUTTERS
55G90	BATH MAKER	61087243	BATH MAKERS
55G91	CORRUGATOR-KNIFE OPE	61081410	CORRUGATOR-KNIFE O
55G92	CORRUGATOR OPR	61087060	CORRUGATOR OPERATO
55G98	CREELER, YARN	61040606	CREELERS,YARN
55H15	CURER, RUBBER GOODS	61089002	CURERS,RUBBER GOOD
55H18	CUT-OFF-MA OP,TUBING	61081412	CUT-OFF MACHINE OP
55H19	CUT-OFF-SAW OP,LUMBR	61085003	CUT-OFF SAW OPERAT
55H20	CUT-OFF SAWYER, LOG	61085004	CUT-OFF SAWYERS,LO
55H25	CUTTER, PORTABLE MAC	61081417	CUTTERS,PORTABLE M
55H28	CUT&CREASING PRES OP	61087056	CUTTING & CREASING
55H32	CYLINDER-MACH TEN	61087022	CYLINDER MACHINE T
55H34	DADO OPR	61086812	DADO OPERATORS
55H35	DAIRY PROCESS EQU OP	61086026	DAIRY PROCESSING E
55H38	DECAL APPLIER	61088815	DECAL APPLIERS
55H39	DECKER OPR	80001803	DECKER OPERATORS
55H47	DECORATR,BAKERY PROD	61089012	DECORATORS,BAKERY
55H48	DEHAIRING MACH TENDR	61089013	DEHAIRING MACHINE
55H64	DIE CUTTER	61081424	DIE CUTTERS,CLICKI
55H66	DIE MAKER	50063001	TOOL & DIE MAKERS
55H67	DIE MOUNTER	61089015	DIE MOUNTERS
55H68	DIE POLISHER	61082403	DIE POLISHERS,WIRE
55H69	DIE SETTER	50061002	DIE SETTERS
55H70	DIE SINKER	50063003	DIE SINKERS
55H72	DIGESTER OPR	61087021	DIGESTER OPERATORS
55H73	DIGESTER-OP,HELPER	61089016	DIGESTER OPERATOR
55H75	DIPPER	61088039	DIPPERS
55H76	DIPPING MACH OPER	61087629	DIPPING MACHINE OP
55H77	DISPATCHER, REFINERY	50144022	DISPATCHERS,REFINE

55H78	DIVIDING-MACH OPE	61086259	DIVIDING MACH OPER
55H79	DOFFER	61040607	DOFFERS
55H82	DOUGHNUT MAKER/MA O	61086258	DOUGHNUT MAKRS/DOU
55H83	DOWEL MACH OPERAT	61086809	DOWEL MACHINE OPER
55H84	DRAPER	61089017	DRAPERS
55H85	DRAW-BENCH OPR	61088267	DRAW-BENCH OPERATO
55H86	DRAW MACH OPR	61087235	DRAW MACHINE OPERA
55H88	DRAWING-IN-MA TENDER	61040204	DRAWING-IN MACHINE
55H90	DRESSER TNDR	61040608	DRESSER TENDERS
55H95	DRILL-PRESS OPERATOR	61020201	DRILL PRESS/BORING
55I01	DROP-HAMMER OPR	50144899	ALL OTHER SKILLED
55I04	DRY CURER	61086011	DRY CURERS
55I10	DUST OPERATOR	61088248	DUST OPS/ORE CRUSH
55I11	DYE-RANGE OPERATOR	61082204	DYE RANGE OPS/SP D
55I12	DYE-REEL OPERATOR	61082205	DYE REEL OPS,JIGGR
55I13	DYE-TANK TENDER	61086265	DYE TANK TENDERS,E
55I14	DYE-TUB OPERATOR	61082207	DYE TUB OPS,RANDOM
55I16	DYNA CARTRIDG CRIMPR	61087270	DYNAMITE CARTRIDGE
55I17	EDGE GLUER	61086807	EDGE GLUERS
55I18	EDGER,AUTO&OR POMY	61085005	EDGERS,AUTOMATIC &
55I28	EMBROIDERER, HAND	63000000	ALL OTHER SEMISKILLED WKRS
55I29	ENDING-MACH OPERA	61086613	ENDING MACHINE OPE
55I34	ENVELOPE MACH OPER	61087045	ENVELOPE MACHINE O
55I35	ETCHER &OR ENGRAVER	50100803	ETCHERS &/OR ENGRA
55I36	EVAPORATR OP, PAPER	61087011	EVAPORATOR OPERATO
55I39	EVAPORATR OP,CHEM	61087254	EVAPORATOR OPERATO
55I47	INSUL EXTRUD MA OP	61088280	INSULATING EXTRUDI
55I48	EXTRUSION PRESS OP	61088276	EXTRUSION PRESS OP
55I50	FABRICATOR, PLASTICS	61088817	FABRICATORS,PLASTI
55I51	FALLER AND/OR BUCKER	80001805	FALLERS &/OR BUCKE
55I53	FEED PELLET MILL OPE	61086236	FEED PELLET MILL O
55I57	FIELD MECH METER TST	50144824	FIELD MECHANICAL M
55I59	PILLING MACH OPER	61087640	PILLING MACHINE OP
55I64	FILTERER, PETROLEUM	61088405	FILTER/FILTER PRES
55I69	FINISHER, HAND	61088818	FINISHERS,HAND
55I70	FINISHER, MACH	61087639	FINISHERS,MACHINE
55I71	FINISHER, POTTERY AN	61089082	FINISHERS,POTTERY
55I72	FIRER,PETRO REFINING	61085606	FIRERS,PETROLEUM R
55I77	FIREWORKS MAKER	61089021	FIREWORKS MAKERS
55I82	FLAMER	61089087	FLAMERS
55I83	FLAVOR ROOM WORKER	61086021	FLAVOR ROOM WORKER
55I84	FLEXO-FOLDR-GLUER OP	61087043	FLEXO-FOLDER-GLUER
55I85	FLOOR WORKER, FOOTWR	61089023	FLOOR WORKERS,FOOT
55I89	FOLDER, MACH	61085409	FOLDERS,MACHINE
55I90	FOLDING-MACH FEEDER	61087050	FOLDING MACHINE FE
55I93	FOLDING-MA OP,PAPER	61087048	FOLDING MACHINE OP
55I94	FORGING PRESS OPERAT	50060802	FORGING PRESS OPER
55I95	FORGING/STRAIGHTNING	50062403	FORGING/STRAIGHTEN
55I97	FORMING-MA OP,GLASS	61088012	FORMING MACH OPERA
55I98	FORMING-MA MAINTAINR	50144822	FORMING MACH MAINT
55J01	FOUR-CNR-STAYR-MA OP	61087047	FOUR-CORNERS-STAYE
55J02	FOURDRINIER-MA TENDR	61087014	FOURDRINIER MACHIN
55J08	FUR CUTTER	50141600	FUR CUTTERS
55J09	FUR FINISHER	61085211	FUR FINISHERS
55J10	FUR NAILER	61089025	FUR NAILERS
55J12	FURNACE COMBUST ANAL	61085611	FURNACE COMBUSTION
55J17	FURNACE/BURNER TENDR	61085612	FURNACE &/OR BURNE
55J20	FUSING MACH OPERA	61086614	FUSING MACHINE OPE
55J22	GANG SAWYER	61083006	GANG SAWYERS
55J24	GARMENT REPAIRER	61085212	GARMENT REPAIRERS
55J27	GATHERER	61088820	GATHERERS
55J28	GEM CUTTER	50142408	GEM CUTTERS
55J29	GENUINE PEARL WORKER	50142411	GENUINE PEARL WORK
55J31	GLASS BLOWER	50144805	GLASS BLOWERS
55J32	GLAS-BLOWNG-LATHE OP	61021002	GLASS-BLOWING LATH
55J34	GLASS-CUT-OFF MA OP	61081425	GLASS CUT-OFF MACH
55J35	GLASS CUTTER,MACH	61081426	GLASS CUTTERS,MACH
55J37	GLASS GRINDER	61082405	GL GRINDERS/WATCH
55J40	GLAZIER,STAINED GLAS	61088011	GLAZIERS,STAINED G
55J42	GLOVE TURNR & FORMER	61087814	GLOVE TURNERS & FO
55J43	GLUEMAKER	61087273	GLUEMAKERS
55J44	GLUE-SPREADING-MA OP	61087813	GLUE SPREADING MAC
55J46	GLUING-MACH OPERA	61086815	GLUING MACHINE OPE
55J49	GRAIN RECEIVER	61086241	GRAIN RECEIVERS
55J51	GRAINING PRESS OPERA	61087272	GRAINING PRESS OPE
55J52	GRANULATOR MACH OPER	61088628	GRANULATOR MACHINE
55J56	GREASEMAKER	61087406	GREASEMAKERS
55J62	WOOD GRINDER OPR	61087012	WOOD GRINDER OPERA

55J63	GRINDING MA OP,METAL	61020600	GRINDING/ABRADING MA
55J68	GUIDE SETTER	50062404	GUIDE SETTERS
55J70	HAMMERSMITH,OPEN DIE	50060803	HAMMERSMITHS,OPEN
55J71	HAND BLOCKER HATS	61081205	HAND BLOCKERS,CAPS
55J73	HAND EDGR/BELT SEAMR	61082406	HAND EDGERS/BELT S
55J75	HAND SEWER	63000000	ALL OTHER SEMISKILLED WKRS
55J78	HARNESS BUILDERS,LOO	61041015	HARNESS BUILDERS,L
55J79	HARNESS MAKER	50144806	HARNESS MAKERS
55J80	HARNESS PLACER	61041016	HARNESS PLACERS
55J81	HEAD LOADER	80001806	HEAD LOADERS
55J83	HEAD SAWYER	61085008	HEAD SAWYERS
55J84	HEADER OPR	50060804	HEADER OPERATORS
55J85	HEAT TREATR,ANNEALER	50060600	HEAT TREATERS,ANNEAL
55J87	HEATER,COKE PRODUCTN	61088218	HEATERS,COKE PRODU
55J89	HEEL ATTACHER	61085410	HEEL ATTACHERS
55J91	HEEL BUILDR,HAND/MAC	61085412	HEEL BUILDERS,HAND
55J92	HEEL-SEAT LASTER,MAC	61085413	HEEL-SEAT LASTERS,
55J94	HEEL SEAT FITTER,MAC	61085415	HEEL-SEAT FITTERS,
55K01	HOOK TNDR	50040003	SUPERVISORS,NONWOR
55K03	HOSE LOADER	80002809	HOSE LOADERS
55K04	HOSE MAKER	61088427	HOSE MAKERS
55K05	HOT-PLATE PRESS OP	61086806	HOT PLATE PLYWOOD
55K10	HYDRAULIC PRS OP, VE	61086814	HYDRAULIC PRESS OP
55K13	ICEMAKER	61085219	ICEMAKERS
55K17	INGREDIENT SCALER	61089029	INGREDIENT SCALERS
55K18	INKER,HAND OR MACHIN	61085416	INKERS,HAND OR MAC
55K20	INSTRUMENT FITTER	50023204	INSTRUMENT FITTERS
55K21	INSTRUMENT MAKER	50063000	TOOLMAKERS AND DIEMA
55K28	JEWL-BEARNG LATHE OP	61021003	JEWEL-BEARING LATH
55K30	LAY-OUT MARKER, WOOD	61088852	LAYOUT MARKERS,WOO
55K32	JIGGER OPR	61088018	JIGGER OPERATORS
55K34	KETTLE OP,ADHESIVE	61087257	KETTLE OPERATORS,A
55K35	KETTLE WORKER, SOAP	61087246	KETTLE WORKERS,SOA
55K41	KILN OP,LUMBER	61085614	KILN OPERATORS,LUM
55K42	KILN TRANSFER OPERAT	80001006	KILN TRANSFER OPER
55K45	KNITTR,FULL-FASHIOND	61040402	KNITTERS,FULL FASH
55K46	KNITTING-MACH OPE	61040403	KNITTING MACHINE O
55K51	LAMINATING-MACH OP	61086601	LAMINATING MACHINE
55K54	LASTER,HAND	61089088	LASTERS,HAND
55K55	LASTING-MACH OPER	61085419	LASTING MACHINE OP
55K56	LATHE OP,GRINDNG WHL	61021004	LATHE OPERATORS,GR
55K57	LATHE OPR,WOOD	61021005	LATHE OPERATORS,WO
55K58	LATHE MA OP,METAL	61021006	LATHE MACH OPERATO
55K60	LAYBOY TNDR	63000000	ALL OTHER SEMISKILLED WKRS
55K61	LAY-OUT MARKER,METAL	50061202	LAYOUT MARKERS,MET
55K64	LEAD PRESS OPR	61087601	LEAD PRESS OPERATO
55K65	LEAD STRIPPNG MA OP	61087602	LEAD STRIPPING MAC
55K68	BELT MAKER, APPAREL	61087802	BELT MAKERS,APPARE
55K69	LEATHER STAMPER,HAND	50144807	LEATHER STAMPERS,H
55K70	LEATHER WORKER	61089031	LEATHER WORKERS
55K74	LIMER	61087803	LIMERS
55K77	LINK&LINK KNIT MA OP	61040405	LINK-&-LINK HAND K
55K79	TANNING-LIQUOR MAKER	61087804	TANNING-LIQUOR MAK
55K80	LOADER,CAR AND TRUCK	80001007	LOADERS,CAR & TRUC
55K81	LOADER ENGINEER	50140802	LOADER ENGINEERS
55K82	LOADER,MALT HOUSE	61086264	LOADERS,MALT HOUSE
55K84	LOG HANDLNG EQPMT OP	62001003	LOG HANDLING EQUIP
55K85	LOG INSPECTRS,GRADRS	50142001	LOG INSPECTORS,GRA
55K86	LOOM-WINDER TNDR	61040609	LOOM WINDER TENDER
55K87	LOOPER,HOSIERY	61040406	LOOPERS,HOSIERY
55K89	LUGGAGE MAKER	61089032	LUGGAGE MAKERS
55K90	LUMBER GRADER	50142002	LUMBER GRADERS
55K91	LUMBER STRAIGHTENER	80001008	LUMBER STRAIGHTENE
55K95	ENVELOP-FINISH-MA OP	61087028	ENVELOPE FINISHING
55K97	MACH-SETTR,WOODWRKG	50144808	MACHINE SETTERS,WO
55K98	MA-SETTR,PAPER GDS	50144819	MACHINE SETTERS,PA
55L01	MACH TOOL OP,COMBINA	61021402	MACHINE TOOL OPERA
55L02	MACH TOOL OP,NUM-CON	61021403	MACHINE TOOL OPERA
55L03	MACH TOOL OP,TOOLRM	61021405	MACHINE TOOL OPERA
55L04	MA TOOL SETTR,METAL	50061003	MACHINE TOOL SETTE
55L05	MAKING MACH CATCHER	61060207	MAKING MACHINE CAT
55L15	MEASURING-MA OP,LTHR	61087805	MEASURING MACHINE
55L16	MEAT GRINDER	61086033	MEAT GRINDERS
55L18	MENDER, CLOTH	61085214	MENDERS,CLOTH
55L19	MERCERIZER OPRS	61041017	MERCERIZER OPS & M
55L21	METAL MOLD MAKER	50061801	METAL MOLD MAKERS
55L26	MILL HAND,PLATE MILL	61088826	MILL HANDS,PLATE M
55L28	MILL ROLL RWNDR,CELL	61085803	MILL ROLL REWINDER

55L30	MILLER	50142603	MILLERS
55L31	MILLNG/PLANNG MA OP	61021007	MILLING/PLANING MA
55L32	MILLINER	61083400	MILLINERS
55L33	RUBBER-MILL OPR	61087603	RUBBER MILL OPERAT
55L34	WOOD MACHINIST	61021404	WOOD MACHINISTS
55L45	MIXER OP,HOT METAL	61083831	MIXER OPERATORS,HO
55L55	REFRACTRY MOLDR,HAND	61088828	REFRACTORY MOLDERS
55L57	MOLDR,BENCH/FLOOR	50061804	MOLDERS,BENCH &/OR
55L58	MOLDR,FIBRGLAS LUGGA	61087806	MOLDERS,FIBERGLASS
55L61	MOLDER,MACHINE	50061805	MOLDERS,MACHINE(ME
55L62	MOLDER,PATTERN	50061806	MOLDERS,PATTERN
55L63	MOLDING-MA OP/PRESSR	61088002	MOLDING MACH OPERA
55L64	MOLDER,MACH	61087292	MOLDERS,MACHINE(DR
55L66	MORTISING-MACH OP	61081430	MORTISING MACHINE
55L71	NAILING-MACH OPER	61084602	NAILING MACHINE OP
55L73	NAPPER TNDR	61041018	NAPPER TENDERS
55L74	NEEDL-FELT-MAK-MA OP	61040801	NEEDLE-FELT-MAKING
55L82	NOVELTY WORKER	61086019	NOVELTY WORKERS
55L84	OFF-BEARER	80001009	OFF-BEARERS
55L87	OPEN/WASTE MACH TNDR	61041019	OPENER TENDERS/WAS
55L89	ORDERING MACH OPE	80001010	ORDERING MACHINE O
55L95	PANEL-MACH OPERAT	61087030	PANEL/PATCH/SEALIN
55L96	PAPER-CUP-MACH OP	61087031	PAPER CUP MACHINE
55L97	PAPR-REEL/RWINDR OP	61085804	PAPER REEL OPS,REW
55M02	PASTEURIZER,MARGARIN	61086221	PASTEURIZERS,MARGA
55M04	PATTERN CUTTER	61081431	PATTERN CUTTERS
55M06	PATTERNMKR PLASTIC	50062202	PATTERNMAKERS,PLAS
55M08	PATTERNMAKER	63000000	ALL OTHER SEMISKILLED WKRS
55M09	PATTERNMAKER,METAL	50062203	PATTERNMAKERS,META
55M10	PATTERNMAKER WOOD	50062204	PATTERNMAKERS,WOOD
55M12	PATTERNMKR STONE CUT	50062206	PATTERNMAKERS,STON
55M14	PICKER	61089039	PICKERS
55M15	PICKER TNDR	61040206	PICKER TENDERS
55M17	PICKLER CNTNUS PICK	61088282	PICKLERS,CONTINOUS
55M26	PLANER,STONE	61082407	PLANERS,STONE
55M29	PLASTIC-TOP INSTLLR	61080409	PLASTIC TOP INSTAL
55M32	PLATER HELPER	61088834	PLATER HELPERS
55M34	PLEATING MACH OPR	61081207	PLEATING MACHINE O
55M38	POLISHER GLSS/BLKR	61082408	POLISHERS,GLASS &/
55M39	POLISHER, MOLD	80002402	POLISHERS,MOLD
55M41	POND WORKER, LUMBER	80001808	POND WORKERS,LUMBE
55M43	POT LINER	61088835	POT LINERS
55M44	POT TNDR	61088236	POT TENDERS
55M46	POULTRY DRESS/EVISCR	61089040	POULTRY DRESSERS,E
55M49	POWDER CUTTG/BEAT OP	61087260	POWDER CUTTING OPE
55M51	POWER-PRESS TNDR	61021604	POWER PRESS TENDER
55M52	POWER-SCREWDRIVER OP	61080410	POWER SCREWDRIVER
55M56	PRESS OPR DEV SRP R	61087605	PRESS OPS,DEVULCAN
55M57	PRESSR EXPLLR OPR	61086223	PRESSERS,EXPELLER
55M62	PRESS OPR, MEAT	61086003	PRESS OPERATORS,ME
55M64	PRINTER-SLOTTER OPER	61087032	PRINTER-SLOTTER OP
55M65	PRINTER-SLOTTER FEED	61089042	PRINTER-SLOTTER FE
55M68	PROCESSOR, SOLID PRO	61087261	PROCESSORS,SOLID P
55M70	PULLER-OVER	61085421	PULLERS-OVER
55M73	PULP-REFINER OPR	61087005	PULP REFINER OPERA
55M74	PULPER	61087006	PULPERS
55M76	PUMP OPR	63000000	ALL OTHER SEMISKILLED WKRS
55M77	PUMPER	61086004	PUMPERS,MEAT
55M78	PUMP OPR BY-PRODUCTS	61088208	PUMP OPERATORS,BY-
55M88	QUILLING-MACH OPR	61040610	QUILLING MACHINE O
55M90	RAW CHEESE WORKER	80002828	RAW CHEESE WORKERS
55M91	ROPE LAYING MACH OPR	61040621	ROPE LAYING MACHIN
55M94	RECOVERY OPR PAPER	61087007	RECOVERY OPERATORS
55N01	REFINER OPR RUBBER	61087606	REFINER OPERATORS,
55N02	REFINERY OPR	61086224	REFINERY OPERATORS
55N03	REFACTORY-GRINDER OP	61088021	REFACTORY GRINDER
55N05	REPAIRER, FINISH.	61085422	REPAIRERS,SHOE FIN
55N06	PLASTICS REPAIRER	61089044	PLASTICS REPAIRERS
55N07	RESAWYER	61085011	RESAWYERS
55N08	RETORT OPR	61086204	RETORT OPERATORS
55N13	RIGGING SLINGER	80001809	RIGGING SLINGERS
55N14	RIP-GROOVE MACH OPR	61081434	RIP & GROOVE MACHI
55N15	RIPSAW OPR	61085012	RIPSAW OPERATORS
55N21	ROLLER BLDR RUBBER	61087607	ROLLER BUILDERS,RU
55N22	ROLL BUILDER	61088210	ROLL BUILDERS
55N31	ROLLING-MACH OPER	61086227	ROLLING MACHINE OP
55N32	ROLLING-MILL OPR	50062415	ROLLING MILL OPS/A
55N34	ROOF-CMNT MAKER	61083835	ROOF CEMENT & PAIN

55N37	ROUGH ROUNDER MACH	61085423	ROUGH ROUNDERS,MAC
55N39	RUBBER	61084208	RUBBERS
55N41	RUBBER-COVERING-MACH	61041021	RUBBER COVERING MA
55N43	RUBBER GDS CTTR FNSH	61081435	RUBBER GDS CUTTER-
55N44	RUBBER GRNDR FINSHR	61087609	RUBBER GRINDER-FIN
55N45	RUBBER MOLD MAKER	61088419	RUBBER MOLD MAKERS
55N48	SADDLE MAKER	50144810	SADDLE MAKERS
55N51	SAMPLE MAKER	50144405	SAMPLE MAKERS
55N52	SAMPLR/TEST PREPRER	80002899	ALL OTHER LABORERS
55N54	SANDBLASTER,STONE	61088048	SAND BLASTERS,STON
55N60	SANDER WOOD	61082410	SANDERS,WOOD
55N63	SAW FILER	63000000	ALL OTHER SEMISKILLED WKRS
55N64	SAWYER, METAL	61085013	SAWYERS,METAL
55N65	SAWYER, STONE	61085014	SAWYERS,STONE
55N66	SAWYER, PLASTICS	61085015	SAWYERS,PLASTICS
55N70	SCORER	61087035	SCORERS
55N78	SCREENER OPR	63000000	ALL OTHER SEMISKILLED WKRS
55N81	SEAM-RUBBING MACH OP	61085424	SEAM RUBBING MACHI
55N82	SEAMLS-HOSIERY KNTTR	61040407	SEAMLESS HOSIERY K
55N84	SEASONER, MACH	61089048	SEASONERS,MACHINE
55N86	SEASONING MIXER	61083840	SEASONING MIXERS
55N87	SECOND CUTTER, HAND	61081437	SECOND CUTTERS,HAN
55N89	SECOND LOADER	80001810	SECOND LOADERS
55N91	SELECTOR, GLASSWARE	61060209	SELECTORS,GLASSWAR
55N94	SETTER MOLDIN/COREMK	50061005	SETTERS,MOLDING &
55N97	SETTER AND/OR DRAWER	80002812	SETTERS &/OR DRAWE
55P01	SHOE PARTS SEWER, HA	61085217	SHOE PARTS SEWERS,
55P02	SHACTOR	61089050	SHACTORS
55P03	SHAKEOUT WKR FOUNDRY	80002813	SHAKEOUT WORKERS,F
55P04	SHAKER	80002814	SHAKERS
55P05	SHANK-PIECE TACKER	80002826	SHANK PIECE TACKER
55P06	SHAPER, HAND	61088841	SHAPERS,HAND
55P07	SHAPER AND PRESSER	61081208	SHAPERS & PRESSERS
55P08	SHAPER AND/OR ROUTER	61021009	SHAPER &/OR ROUTER
55P11	SHEETER OPR PLASTICS	61081439	SHEETER OPERATORS,
55P13	SHELL-MOLD/CORE MA O	50061808	SHELL MOLD/SH CORE
55P14	SHELLFISH PROC MA TN	61086206	SHELLFISH PROCESSI
55P15	SHELLFISH SHUCKER	61089053	SHELLFISH SHUCKERS
55P16	SHIPFITTER	50143400	SHIPFITTERS
55P17	SHIPWRIGHT	50020204	SHIPWRIGHTS
55P20	SHUTTLER, EMBROIDERY	61089054	SHUTTLERS,EMBROIDE
55P21	SIDE LASTER	61089089	SIDE LASTERS
55P35	SKEIN-YARN DYER	61082209	SKEIN YARN DYERS
55P37	SKIN PEELING MACH OP	61086007	SKIN PEELING MACHI
55P38	SKINNER, ANIMAL	61089058	SKINNERS,ANIMAL
55P41	SLAB DEPILER OPR	61088213	SLAB DEPILER OPERA
55P42	SLASHER TNDR	61041024	SLASHER TENDERS
55P45	SLIME PRESS/FILTRMN	61088240	SLIME PRESS & FILT
55P46	SLITTER-CREASER-SLTR	61081442	SLITTER-CREASER-SL
55P47	SLITTER-SCR-CUT-OFF	61081443	SLITTER-SCORER-CUT
55P49	SLITTING MACH OPR	63000000	ALL OTHER SEMISKILLED WKRS
55P50	SLIVER-FRMG-WNDG OPR	61088004	SLIVER FORMING & W
55P51	SLOTTER OPR	61087070	SLOTTER OPERATORS
55P52	SLUBBER TNDR	61040207	SLUBBER TENDERS
55P54	SMASH HAND	61040802	SMASH HANDS
55P55	SMOKER	61089060	SMOKERS
55P61	SOLE LEVELER MACH	61085428	SOLE LEVELERS,MACH
55P62	SORTER	61060404	SORTERS,BURNED PRO
55P63	SORTER, LEATHER	61060405	SORTERS,LEATHER
55P65	SORTER UPHLSRY PARTS	61060406	SORTERS,UPHOLSTERY
55P69	SPEEDER TNDR	61040611	SPEEDER TENDERS
55P72	SPINNER SYNTH FILAMT	61087225	SPINNERS,SYNTHETIC
55P73	SPINNER, CONFECTION	61086229	SPINNERS,CONFECTIO
55P74	SPINNER, FRAME	61040612	SPINNERS,FRAME
55P76	SPLICER	61087611	SPLICERS
55P77	SPLITTER	61081446	SPLITTERS
55P78	SPLITTING-MACH FEEDE	61089061	SPLITTING MACHINE
55P79	SPLITTING-MACH TENDR	61087612	SPLITTING MACHINE
55P80	SPOT CLEANER	63000000	ALL OTHER SEMISKILLED WKRS
55P82	SPRAY MACH OPR	61088023	SPRAY MACHINE OPER
55P83	SPRAYER HAND/MACH	61089063	SPRAYERS,HAND &/OR
55P84	SPREADER	63000000	ALL OTHER SEMISKILLED WKRS
55P85	SPRING-MACH OPR	61080413	SPRING MACHINE OPE
55P86	SPRINGER	50144603	SPRINGERS
55P89	KILN STACKER OPR	80001014	KILN STACKER OPERA
55P90	STAINER	61089064	STAINERS
55P91	STAKER, MACH	61087809	STAKERS,MACHINE
55P92	STAPLE CTTR/PRCS OPR	61081447	STAPLE CUTTERS/ST

55P93	STAPLER MATTRES/BDSP	61084603	STAPLERS,MATTRESS
55P94	STAPLING-MACH OPR	61084604	STAPLING MACHINE O
55P96	STEEL POURER HELPER	61020430	STEEL POURER HELPE
55P98	STEMMER, HAND	61089004	STEMMERS,HAND
55Q01	STEMMER, MACH	61086403	STEMMERS,MACHINE
55Q03	STERILIZER	63000000	ALL OTHER SEMISKILLED WKRS
55Q04	STICKER	61089065	STICKERS
55Q07	REFINERY OPR	61088625	REFINERY OPERATORS
55Q08	REFINERY OPR HELPER	61089067	REFINERY OPERATOR
55Q10	STILL OPR ASPHALT	61087403	STILL OPERATORS,AS
55Q11	STILL OPR BATCH	61087287	STILL OPERATORS,BA
55Q15	STITCHER SPECIAL MAC	61085430	STITCHERS,SPECIAL
55Q16	STITCHER STNDRD MACH	61085431	STITCHERS,STANDARD
55Q17	STITCHER, UTILITY	61085432	STITCHERS,UTILITY
55Q19	STONE CARVER, HAND	50144203	STONE CARVERS,HAND
55Q20	STONE CUTTER, HAND	50144204	STONE CUTTERS,HAND
55Q21	STONE CUTTER, MACHIN	61082412	STONE CUTTERS,MACH
55Q25	STONE POLISHER	61082413	STONE POLISHERS
55Q26	STONE SETTER	50142410	STONE SETTERS
55Q31	STRANDING MACH OP	61088260	STRANDING MACHINE
55Q33	STRETCHER-LEVELER OP	61088261	STRETCHER-LEVELER
55Q35	STRIPPER	80002815	STRIPPERS
55Q36	STRIPING MACH OPR WR	61088262	STRIPING MACH OPER
55Q37	STUNNER	61089069	STUNNERS
55Q38	SUGAR BOILER	61086230	SUGAR BOILERS
55Q40	SUPERCALENDER OPR	61087008	SUPERCALENDER OPER
55Q45	TCKER TGGLR PASTER	61089070	TACKERS,TOGGLERS,&
55Q50	TANNING DRUM OPR	61087810	TANNING DRUM OPS/C
55Q51	TAPING MACH OPR	61087038	TAPING MACHINE OPE
55Q54	TENONER OPR	61081452	TENONER OPERATORS
55Q56	TENTER-FRAME OPR	61041025	TENTER FRAME OPERA
55Q57	TESTER	50142205	TESTERS
55Q58	THERMALSTNG MACH OPR	61085433	THERMALASTING MACH
55Q62	THREAD TRIMMER	61089071	THREAD TRIMMERS
55Q63	THREADER, KNIT GOODS	61040613	THREADERS,KNIT GOO
55Q69	TIRE BAGGING MACH TN	61087613	TIRE BAGGING MACHI
55Q70	TIRE BUILDER	61087614	TIRE BUILDERS
55Q71	TIRE FINISHER	61089072	TIRE FINISHERS
55Q72	TIRE LAYER/EXTRACTOR	80001015	TIRE LAYERS & EXTR
55Q73	TIRE REPAIRER	61082607	TIRE REPAIRERS
55Q76	TOE LASTER	61089090	TOE LASTERS
55Q79	TRIMMER, PLASTICS	61081458	TRIMMERS,PLASTICS
55Q81	TRANSFER CONTROLLER	61088846	TRANSFER CONTROLLE
55Q82	TREATER	61089073	TREATERS
55Q83	TREATING ENGINEER	61086803	TREATING ENGINEERS
55Q84	TREER	80002829	TREERS
55Q88	TRIM SAW OPR	61085017	TRIM SAW OPERATORS
55Q91	TUBE MACH OPR BAGS	61087039	TUBE MACHINE OPERA
55Q92	SPLICER	61087615	SPLICERS,RUBBER PR
55Q97	TUMBLER OPR PLASTICS	61088414	TUMBLER OPERATORS,
55Q99	STOVE/BLAST FURNACE	61020407	STOVE TNDRS &/OR B
55R01	CLAY TURNER	61088847	CLAY TURNERS
55R03	TWISTER TNDR	61040615	TWISTER TENDERS
55R04	UPHOLSTERY TRIMMER	50144604	UPHOLSTERY TRIMMER
55R05	UPSETTER	50144899	ALL OTHER SKILLED
55R08	VARIETY SAW OPR	63000000	ALL OTHER SEMISKILLED WKRS
55R09	VARNISH MAKER	61087264	VARNISH MAKERS
55R10	VENEER DRIER	61086804	VENEER DRIERS
55R11	VENEER GRADER	50142003	VENEER GRADERS
55R12	VENEER-LATHE OPR	61021001	VENEER LATHE OPERA
55R13	VENEER REPR MACH	61086805	VENEER REPAIRERS,M
55R14	VENEER SANDER	61082415	VENEER SANDERS
55R16	VULCANIZER, FOOTWEAR	61038412	VULCANIZERS,FOOTWE
55R17	VULCANIZER, RUBBER P	61088423	VULCANIZERS,RUBBER
55R23	WARP-KNITTING MACH	61040409	WARP KNITTING MACH
55R24	WARP-TYING MACH TNDR	61040616	WARP TYING MACHINE
55R27	WASHER, SYNTHETIC FI	61082820	WASHERS,SYNTHETIC
55R28	WATCHCASE VULCANIZER	61087617	WATCHCASE VULCANIZ
55R30	WAX PATTERN WORKER	61088849	WAX PATTERN WORKER
55R31	WAXING MACH OPR	61087041	WAXING MACHINE OPE
55R35	WET-MACH TNDR	61087009	WET MACHINE TENDER
55R37	WINDER, PAPER MACHIN	61085808	WINDERS,PAPER MACH
55R38	WINDER OPR, AUT	61040617	WINDER OPERATORS,A
55R41	WIRE DRAWER	61088850	WIRE DRAWERS
55R43	WOODWORKING-MACH	61086818	WOODWORKING MACHIN
55R46	WORK DISTRIBUTOR	80001023	WORK DISTRIBUTORS
55R47	WRAPPER LAYER	61086406	WRAPPER LAYERS
55R48	WRAPPING-MACH OPE	61060807	WRAPPING MACHINE O

55R49	WRINGER-MACH OPER	61087811	WRINGER MACHINE OP
55R51	YARDER ENGINEER	50140803	YARDER ENGINEERS
55R52	TEXTURIZER AND/OR CR	61041026	TEXTURIZERS &/OR C
55R53	YARN WINDER	61040618	YARN WINDERS
55R57	PRESS TNDR, RUBBER	61087618	PRESS TENDERS,RUBB
55R58	PRESS OPR	61088026	PRESS OPERATORS
55R62	SEPARATOR TNDR	61083645	SEPARATION TENDERS
55R67	ASPHALT RAKER	80000629	ASPHALT RAKERS
55R68	PAINTER PRODUCTION	61084210	PAINTERS,PRODUCTIO
55R73	DI-CAST MA OP/SETTER	61088287	DIE-CASTING MACH O
55R74	WIRER, ELECTRONIC	61080415	WIRERS,ELECTRONIC
55R75	IMPREGNATOR,ELECTRON	61088288	IMPREGNATORS,ELECT
55R76	RIVETER,HEAVY	61084605	RIVETERS,HEAVY
55R77	RIVETER,LIGHT	61084606	RIVETERS,LIGHT
55R78	PUNCH-PRESS OP,METAL	61021609	PUNCH PRESS OPERAT
55R79	PUNCH-PRESS SETTER,M	50061007	PUNCH PRESS SETTER
55R80	SHEAR/SLITTER OP,MET	61081459	SHEAR &/OR SLITTER
55R81	SHEAR/SLITTER SETTER	50061008	SHEAR &/OR SLITTER
55R82	COIL WINDER	61085810	COIL WINDERS
55R83	COIL TAPER,HAND/MACH	61088289	COIL TAPERS,HAND O
55R84	ENCAPSULATOR	61088428	ENCAPSULATORS
55R85	COMPRESS/INJECT MOLD	61087645	COMPR &/OR INJECT
55R86	COIL FINISHER	61080416	COIL FINISHERS
55R87	BALANCING-MACH OPER	63000000	ALL OTHER SEMISKILLED WKRS
55R89	CUTTER/GRINDER OPER	61088431	CUTTER &/OR GRINDE
55R90	CONVEYOR OP/TENDER	80001020	CONVEYOR OPERATORS
55R91	FEEDER-CATCHER,TOBAC	80001017	FEEDERS/CATCHERS,T
55R92	CIGAR MAKER,HAND	61089083	CIGAR MAKERS,HAND
55R93	BN-STK WSR/BLW PT OP	61087064	BROWN STOCK WASHER
55R94	CUTTER OPR	61081403	CUTTERS,MACHINE
55R95	FOURTH /5TH HAND P	61087065	FOURTH/FIFTH HANDS
55R96	VENEER DRIER FEEDER	80001018	VENEER DRIER FEEDE
55R97	VENEER JOINTER OPER	61081461	VENEER JOINTER OPE
55R98	VENEER REPAIRER HAND	61088853	VENEER REPAIRERS,H
55R99	MNIPULATR,TBL/BED OP	50062407	MANIPULATORS,TABLE
55S04	MXR,STN,CLAY,GLASS	61083854	MIXERS,STONE,CLAY,
55S06	CEILING-TILE INSTALL	50024002	CEILING TILE INSTA
55S07	COATER,ROOFING FELT	61088433	COATERS,ROOFING FE
55S09	CORE ASSMBLR,PASTER	63000000	ALL OTHER SEMISKILLED WKRS
55S10	CORE FEEDER	61086817	CORE FEEDERS
55S11	CORE LAYER/SHEET TUR	61080418	CORE LAYERS/SHEET
55S14	LOADING-MACH OP	61088436	LOADING MACHINE OP
55S15	DIP PLATER,NON-ELECT	61021202	DIP PLATERS,NONELE
55S16	FRNCE OP/CUPOLA TNDR	61020436	FURNACE OPERATORS,
55S21	CLOTH GRADER	61060408	CLOTH GRADERS
55S22	CUTTNG MACH OP FOOD	61081462	CUTTING MACHINE OP
55S23	FARM EQUIP OP	63000000	ALL OTHER SEMISKILLED WKRS
55S24	ENRBNG MCH/MCH ICER	61089085	ENROBING MACH OPS/
55S25	BALING MACH OP	63000000	ALL OTHER SEMISKILLED WKRS
55S26	LINTER MACH TEND	61086289	LINTER MACHINE TEN
55S28	SETTER,PLAST MOLD	50061009	SETTERS,PLASTIC MO
55S30	PUNCH PRESS OP,PLAS	61021610	PUNCH PRESS OPERAT
55S31	FITTER,STRUCTURL MET	50144899	ALL OTHER SKILLED
55S32	MULTI-SLIDE MACH OP	61088291	MULTI-SLIDE MACHIN
55S33	BODYMAKER OP,TIN CAN	61088292	BODYMAKER OPERATOR
55S34	WIRE WEAVER	61088293	WIRE WEAVERS
55S35	FISH CLEANR/BUTCHER	61083207	FISH CLEANERS,HAND
55S36	UPHOLSTERER	50144605	UPHOLSTERERS
55S37	UPHOLSTERY CUTTER	50144606	UPHOLSTERY CUTTERS
55S38	DRIER OP,CHEM,PLSTC	61087294	DRIER OPERATORS,CH
55S39	AUTO RBBR HOSE VULC	61087647	AUTOMATIC RUBBR HO
55S40	MOLD CLEANER,TIRE	80002403	MOLD CLEANERS,TIRE
55S42	CONCRETE-VAULT MKR	61088070	CONCRETE VAULT MAK
55S43	FERMENTATION OPER	61086290	FERMENTATION OPERA
55S45	STILL OPERATOR	61086291	STILL OPERATORS
55S47	CANNERY WORKER	80002824	CANNERY WORKERS
55S48	MIXER,ORE & MTLS	61083857	MIXERS,ORE & METAL
55S49	FURNACE CHARGER	61020438	FURNACE CHARGERS
55S50	HEATING PIT CHRGR	61020439	HEATING PIT CHARGE
55S51	HELPER,FURNCE OP/HTR	80002819	FURNACE OP HELPERS
55S52	INSUL WRAP/BRADING	61088437	INSUL WRAPPING/BRA
55S53	CHIEF OPERATOR	61087295	CHIEF OPERATORS
55S54	WASTE TREAT PLT OP	50144021	WASTE TREATMENT PL
55S57	YARD ENGINEER	50120402	YARD ENGINEERS
55S61	PRECIPITATOR OPER	61088296	PRECIPITATOR OPERA
55S62	SCRAP SORTER	80002821	SCRAP SORTERS
55S63	CASKET COVER/LINR	50144607	CASKET COVERERS/CA
55S64	SCREENMAKER, PHOTOGR	61088402	SCREENMAKERS, PHOT

55S66	VAMP CREASER	61085440	VAMP CREASERS
55S67	SPLITTER, MACHINE	61085441	SPLITTERS,MACHINE
55S68	FASTENER,MACHINE	61085442	FASTENERS,MACHINE
55S69	CEMENTER,PSTR,BKR,	61085443	CEMENTERS,PASTERS,
55S70	EYELET-MACH OP	63000000	ALL OTHER SEMISKILLED WKRS
55S71	MOLDER,SHOE PARTS	61085444	MOLDERS,SHOE PARTS
55S73	PULLNG & LASTNG MACH	61085445	PULLING & LASTING
55S74	ELECTROLYTIC CELL MA	61080417	ELECTROLYTIC CELL
55S75	STAPLE CUTTER	63000000	ALL OTHER SEMISKILLED WKRS
55S76	PURIFICATION OPER	61089091	PURIFICATION OPERA
55S77	MARKER	61089092	MARKERS
55S78	CUTTER,HAND	63000000	ALL OTHER SEMISKILLED WKRS
55S79	TERRAZZO WORKER	50021206	TERRAZZO WORKERS
55S80	TURNER	61041027	TURNERS
55S81	FOLDER,HAND	61041028	FOLDERS,HAND
55S82	FOLDING MACH OPER	61086618	FOLDING MACHINE OP
55S83	ULTRASONIC MACH OP	61088441	ULTRASONIC MACHINE
55S84	AUTOMOBILE SEAT COVE	50080600	AUTO SEAT COVER,TOP
55S86	ARTIFICIAL-APPL MKR	50144817	ARTIFICIAL APPLIAN
55S87	ADHESIVE-BANDAGE MA	61088442	ADHESIVE BANDAGE M
55S89	FLOOR WORKER, GLASS	61088072	FLOOR WORKERS,GLAS
55S90	PWR BRAKE/BEND MACH	61021611	POWER BRAKE,BENDIN
55S92	PLANER OPERATOR	61081464	PLANER OPERATORS
55S94	SOABAR OPERATOR	61088443	SOABAR OPERATORS
55S96	GLASS INSTALLER	50141801	GLASS INSTALLERS
55S97	RENTAL CAR DELIVERME	62002006	RENTAL CAR DELIVER
55S98	MILL/GRIND OP,MINERL	61083646	MILL &/OR GRINDER
55S99	SINTER PRESS SET/OP	61020411	SINTER PRESS SETTE
55T01	COPY MARKER	61089096	COPY MARKERS
55T02	COPY CUTTER	50100400	COMPOSITORS &/OR TYP
55T03	HAND COMPOSITOR	50100400	COMPOSITORS &/OR TYP
55T04	IMPOSER & MAKEUP ARR	50100400	COMPOSITORS &/OR TYP
55T05	LINE CAST MACH OP	50100400	COMPOSITORS &/OR TYP
55T06	LINECAST MACH KEYB	50100400	COMPOSITORS &/OR TYP
55T07	LINECAST MACH TENDER	50100400	COMPOSITORS &/OR TYP
55T08	LUDLOW-MACH OP	50100400	COMPOSITORS &/OR TYP
55T09	MONOTYPE-CAST MACH O	50100400	COMPOSITORS &/OR TYP
55T10	MONOTYPE-KEYBD OP	50100400	COMPOSITORS &/OR TYP
55T11	PASTEUP MAN/WOMAN	50100400	COMPOSITORS &/OR TYP
55T12	PHOTOTYPSET-MACH KEY	50100400	COMPOSITORS &/OR TYP
55T13	PHOTOTYPSET-MACH MON	50100400	COMPOSITORS &/OR TYP
55T14	PHOTOTYPSETTER OP	50100400	COMPOSITORS &/OR TYP
55T15	PROOFREADER,COMP COP	40064410	PROOFREADERS,COMPO
55T16	RETOUCHER	61084400	OTHER PHOTO PROCESS
55T17	ELECTROTYPER	50100601	ELECTROTYPERS
55T18	PHOTOENGRAVER	50101003	PHOTOENGRAVERS
55T19	STEREOTYPER	50100602	STEREOTYPERS
55T20	FLEXOGRAPHIC PRESS O	50101205	FLEXOGRAPHIC PRESS
55T21	GRAVURE PRESS OP,ROT	50101206	GRAVURE PRESS OPER
55T22	INK WORKER	61088616	INK WORKERS
55T23	LETTER PRESS,SHEET,R	50101207	LETTER PRESS OPERA
55T24	LETTERSET PRESS,SHEE	50101208	LETTERSET PRESS OP
55T25	PROOF PRESS OPER	50101210	PROOF PRESS OPERAT
55T26	STEEL DIE PRESS OP	50101209	STEEL DIE PRESS OP
55T27	PRESS ASSTS & FEEDRS	61089095	PRESS ASSISTANTS &
55T28	SETTER,BINDER MACHS	50100202	SETTERS,BINDERY MA
55T29	BINDERY WORKER	50100208	ALL OTHER BINDERY
55T30	Bookbinder	50100205	BOOKBINDERS,MACHIN
55T31	MAILER	61089097	MAILERS
55T32	TRUCK DRIVER HELPER	80002899	ALL OTHER LABORERS
55T33	LINE-SERVICE ATTENDA	80002830	LINE SERVICE ATTEN
55T34	COKE OVEN PUSHER/DR	61088205	COKE OVEN PUSHERS/
55T35	MOBILE HOME REPAIRER	50144825	MOBILE HOME REPAIR
55T36	PIPELINER	50144801	PIPELINERS
55T37	PAINTER, AIRCRAFT	61084211	PAINTERS,AIRCRAFT
55T38	MOBILE HOME SET-UP	61080401	MOBILE HOME SET-UP
55T39	PICTURE FRAMER	50020205	PICTURE FRAMERS
55T40	WATER TREATMENT PLAN	50144025	WATER TREATMENT PL
55T41	BOOKMOBILE DRIVER	62002205	BOOKMOBILE DRIVERS
55T42	LOCKER-PLANT ATTENDA	80002899	ALL OTHER LABORERS
55T43	WEIGHER,PRODUCTION	80002899	ALL OTHER LABORERS
55T44	FOOD SHAPER,HAND	50140201	FOOD SHAPERS,HAND
55T45	FILM VIEWER	61084400	OTHER PHOTO PROCESS
55T47	GARDENERS AND GROUND	80001401	GARDENERS & GROUND
55T48	CHAUFFEUR	62002007	CHAUFFEURS
55T50	BOATSWAIN	61084801	BOATSWAINS
55T51	ABLE SEAMAN	61084802	ABLE SEAMEN
55T52	ORDINARY SEAMAN	61084803	ORDINARY SEAMEN

55T53	SIGHALLER	80002899	ALL OTHER LABORERS
55T54	SHIP ENGINEER	50144026	SHIP ENGINEERS
55T57	DEPOSITOR,FOOD	61086201	DEPOSITORS,FOOD
55T58	PICKLER,FOOD	61086001	PICKLERS,FOOD
55T60	WASHER/SEPARATOR FOO	61086207	WASHERS &/OR SEPAR
55T61	GRADER,FOOD/SKINS	61060401	GRADERS,FOOD &/OR
55T62	EQUIPMENT CLNR,HAND	80002899	ALL OTHER LABORERS
55T63	SORTER OP,GREEN LMBR	50142004	SORTER OPERATORS,G
55T64	SAWYER,TAIL	61085007	SAWYERS,TAIL
55T65	GLUER/CEMENTER,HAND	63000000	ALL OTHER SEMISKILLED WKRS
55T66	CUTTER MACHINE	61081403	CUTTERS,MACHINE
55T67	DRIVER,ASSMBLY LINE	62002003	DRIVERS,ASSEMBLY L
55T68	AUTOCLAVE OPERATOR	61041029	AUTOCLAVE OPERATOR
55T69	DRIER OP,TEXTILE	61041030	DRIER OPERATORS,TE
55T70	SCRN-STNCL PRNT/SET	61088401	SCREEN/STENCIL PRI
55T71	SCRN CUTTER/MKR NON	61089014	SCREEN CUTTERS/MAR
55T72	SCRN MKER,PHOTOG PRO	61088402	SCREEN MAKERS,PHOT
55T73	MOLD CLSR,CORE SET/W	80002899	ALL OTHER LABORERS
55T77	INSTR,LTHR-FTWR MACH	50144811	INSTRUCTORS,LEATHE
55T78	HANDBAG FRAMER	61087807	HANDBAG FRAMERS
55T79	EMBOSSING,STAMP/MARK	63000000	ALL OTHER SEMISKILLED WKRS
55T80	BOOKBINDER,HAND	50100204	BOOKBINDERS,HAND
55T81	BOOKBINDER, MACHINE	50100205	BOOKBINDERS,MACHIN
55T82	BINDER WKR,ASSMBLY	50100206	BINDERY WORKERS,AS
55T83	BINDERY WKR,STITCH	50100207	BINDERY WORKERS,ST
55T84	ALL OTHER BINDRY WKR	50100208	ALL OTHER BINDERY
55T85	CUSHION MAKER	50144602	CUSHION MAKERS
55T86	GRINDER OP,CHEM & RE	61088407	GRINDER OPERATORS
55T87	WARE FINSH,FOOTCSTR/	61088804	WARE FINISHERS,FTC
55T88	WINDER,ROOFING FELT	61085805	WINDERS,ROOFING FE
55T89	ASBSTS SHNGL-SHEAR	61088003	ASBESTOS SHINGLE S
55T90	CALENDER OP,PLASTIC	61087633	CALENDER OPS,RUBBE
55T91	EXTRUDR OP, PLASTIC	61087623	EXTRUDER OPS,RUBBE
55T92	EXTRUDR OP HELPER	61087624	EXTRUDER OP HELPER
55T93	FLTR/FLTR PRESS OP	61088405	FILTER/FILTER PRES
55T94	HEAT SEALER	61087608	HEAT SEALERS
55T95	PIPE AND TANK LINER	63000000	ALL OTHER SEMISKILLED WKRS
55T96	TAPPER, METAL	61020401	TAPPERS,METAL
55T97	PUMP OPERATOR	63000000	ALL OTHER SEMISKILLED WKRS
55T98	PUMP OPERATOR HELPER	63000000	ALL OTHER SEMISKILLED WKRS
55T99	SAND CUTTER,MXR,SLNG	80002897	ALL OTHER LABORERS
55U00	ASSEMBLER	61080419	ASSEMBLERS
55U11		61080421	MACHINE ASSEMBLERS
55U46	ARCRFT STCTR & ASSEM	61080432	AIRCRAFT,STRUCTURE
55U47	CLOCK,WATCH ASSEMBLE	61080433	CLOCK,WATCH ASSEMB
55U81	MACHINE ASSEMBLER	61080436	MACHINE ASSEMBLERS
55U82	INSTRU MAKER/ASSEMBL	61080437	INSTRUMENT MAKERS/
55U83	ELEC-MECH EQ ASSEMBL	61080438	ELEC MECH EQUIPMT
55U84	ELECTRI/ELECTRO ASSE	61080439	ELEC & ELECT ASSEM
55U99	ALL OTHER ASSEMBLERS	61080440	ALL OTHER ASSEMBLE
55V01	ROLLNG MILL OP/ATTND	50062415	ROLLING MILL OPS/A
55V02	ROLLNG MILL OP HELP	50062416	ROLLING MILL OPERA
55V03	CALENDER OPER HELPER	63000000	ALL OTHER SEMISKILLED WKRS
55V04	DECORATOR,HAND	61084202	DECORATORS,HAND
55V05	BUS DRIVER, SCHOOL	62000402	BUS DRIVERS, SCHOO
55V06	AMB DRV &/OR AMB ATT	62002001	AMBULANCE DRIVERS/
55V07	TREE TRIMMER	80001402	TREE TRIMMERS
55V08		62000200	MOTOR BOAT OPERATORS
55V09	BEAMER, HAND OR MACH	61040622	BEAMERS,HAND OR MA
55V10	MODEL AND/OR MOLD MK	50062209	MODEL &/OR MOLD MA
55V11	FURNACE, KILN, DRIER	61085619	FURNACE,KILN,DRIER
56001	ASBESTOS AND INSULAT	80002823	ALL OTHER HELPERS,
56002	BRICKLAYER HELPER	80002823	ALL OTHERS HELPERS
56003	CARPENTER HELPER	80002823	ALL OTHER HELPERS,
56004	CEMENT MASON HELPER	80002823	ALL OTHER HELPERS,
56005	ELECTRICIAN HELPER	80002823	ALL OTHER HELPERS,
56006	PAINTER HELPER	80002823	ALL OTHER HELPERS,
56008	PAPERHANGER HELPER	80002823	ALL OTHER HELPERS,
56009	PLASTERER HELPER	80002823	ALL OTHER HELPERS,
56010	PLUMBER/PIPEF HELPER	80002823	ALL OTHER HELPERS,
56011	ROOFER HELPER	80002823	ALL OTHER HELPERS,
56012	STONE MASON HELPER	80002823	ALL OTHER HELPERS,
56013	TILE SETTER HELPER	80002823	ALL OTHER HELPERS,
56015	CABINETMAKER HELPER	80002823	ALL OTHER HELPERS,
56016	TERRAZZO WORKER HELP	80002823	ALL OTHER HELPERS,
56900	ALL OTHER HELPERS,SK	80002823	ALL OTHER HELPERS,
57004	BATCH PLANT OPERATOR	50021809	BATCH PLANT OPERAT
57006	CLAY MAKER	61083845	CLAY MAKERS

57011	PULVERIZER/DRIER TND	61087207	PULVERIZER & DRIER
57021	MILLER, CLAY	61088071	MILLERS,CLAY
57030	TINTER	61083852	TINTERS
57031	MXR/BLENDER,CHEMICAL	50144899	ALL OTHER SKILLED
58001	BAGGER, PLASTICS	61088424	BAGGERS,PLASTICS
58002	BLOW-MOLDING MACH OP	61087631	BLOW MOLDING MACHI
58004	CASTER,PLASTICS	61089078	CASTERS,PLASTICS
58009	LAMINATOR,PREFORMS	61088415	LAMINATORS,PREFORM
58010	PRESS OPERATOR, PLAS	61088416	PRESS OPERATORS,PL
58011	ROTATION MOLDNG MACH	61087635	ROTATION MOLDING M
58013	TUBE MOLDER, FIBRGLS	61088417	TUBE MOLDERS,FIBER
58014	VACUUM PLSTC FORM MA	61087637	VACUUM PLASTIC FOR
59001	ALL OTHER SKILLED	50144899	ALL OTHER SKILLED
59002	ALL OTHER SEMISKILLD	63000000	ALL OTHER SEMISKILLED WKRS
59003	ALL OTHER LABORERS	80002899	ALL OTHER LABORERS
61101	ADDRESSING MACH OPER	40041400	ALL OTHER OFFICE M
61103	BKKPNG/BILLING MA OP	40040201	BOOKKEEPING/BILLIN
61105	COMPUTER OPERATOR	40040601	COMPUTER OPERATORS
61107	KEYPUNCH OPERATOR	40041000	KEYPUNCH OPERATORS
61109	PERIPHERAL EDP EQP O	40040602	PERIPHERAL EDP EQP
61112	PROOF MACH OPERAT	40040202	PROOF MACHINE OPER
61113	TABULATNG-MACH OP	40041200	TABULATING MACHINE O
61117	INSERTING/LABLING MA	40041400	ALL OTHER OFFICE M
61119	CALCULATING MACH	40041400	ALL OTHER OFFICE M
61120	DUPLICATING MACH	40040800	DUPLICATING MACHINE
61121	COIN MA OP &/OR CURR	40066803	COIN MACH OPS/CURRENCY SORTERS
61199	ALL OTHER OFF MACH O	40041400	ALL OTHER OFFICE MAC
61200	STENOGRAPHER	40020400	STENOGRAPHERS
61301	ACCOUNTING CLERK	40060601	ACCOUNTING CLERKS
61302	DIVIDEND CLERK	40066802	DIVIDEND CLERKS
61303	ACTUARIAL CLERK	40065204	ACTUARIAL CLERKS
61305	RESERVATION AGENT	40066403	RESERVATION AGENTS
61307	BOOKKEEPER,HAND	40060603	BOOKKEEPERS,HAND
61308	BROKERAGE CLERK	40065205	BROKERAGE CLERKS
61309	CALL-OUT OPR	40066804	CALL-OUT OPERATORS
61310	CANCELLATION CLERK	40066805	CANCELLATION CLERK
61311	CAPITAL ANALYST	40066806	CAPITAL ANALYSTS
61312	CAR RENTAL CLERK	40061601	CAR RENTAL CLERKS
61313	ADJUSTMENT CLERK	40062208	ADJUSTMENT CLERKS
61314	CASHIER	40060800	CASHIERS
61315	CHECKING CLERK, BANK	40062209	CHECKING CLERKS
61316	CLAIM ADJUSTER	40062803	CLAIM ADJUSTERS
61318	CLAIMS CLERK	40062210	CLAIMS CLERKS
61319	COLLECTOR	40061400	COLLECTORS
61321	FILM BOOKER	40066833	FILM BOOKERS
61323	CORRESPONDENCE CLERK	40066898	ALL OTHER OFFICE C
61324	COUNTER CLERK	40066898	ALL OTHER OFFICE C
61325	DESK CLERK, BOWLING	40061608	DESK CLERKS,BOWLIN
61327	CREDIT REPORTER	40062211	CREDIT REPORTERS
61329	MEDIA CLERK, ESTIMAT	40066809	MEDIA CLERKS/ESTIM
61330	FILE CLERK	40062601	FILE CLERKS
61331	FOREIGN REPORTER	40066810	FOREIGN REPORTERS
61332	INSURANCE CLERK	40066845	INSURANCE CLERKS
61333	GENERAL CLERK,OFF	40066811	GENERAL CLERKS,OFF
61335	DESK CLERK	40061603	DESK CLERKS
61336	IN-FILE OPR	40066812	IN-FILE OPERATORS
61337	INFORMATION CLERK	40066898	ALL OTHER OFFICE C
61339	LIBRARY ASSISTANT	40063000	LIBRARY ASSISTANTS
61340	SECURITIES CASHIER,	40066814	SECURITIES CASHIER
61342	TRADE RECORDER	40065207	TRADE RECORDERS
61343	MAIL CLERK	40063402	MAIL CLERKS
61344	CREDIT AUTHORIZER	40062201	CREDIT AUTHORIZERS
61345	MARGIN CLERK	40065208	MARGIN CLERKS
61347	MESSENGER, BANK	40063601	MESSENGERS,BANK
61348	INSURANCE CLERK, MED	40066846	INSURANCE CLERKS,M
61349	NEW-ACCOUNTS TELLER	40060201	NEW ACCOUNTS TELLE
61350	ORDER CLERK	40061604	ORDER CLERKS
61351	PAYROLL/TIMKPNG CLRK	40064000	PAYROLL/TIMEKEEPING
61352	PERSONNEL CLERK	40062602	PERSONNEL CLERKS
61353	POLICY-CHANGE CLERK	40066815	POLICY CHANGE CLER
61354	PRIVATE BRANCH SERVI	40066204	PRIVATE BRANCH SER
61355	PROCUREMENT CLERK	40065402	PROCUREMENT CLERKS
61356	PURCHASE AND SALES C	40066816	PURCHASE & SALES C
61357	CREDIT REFERENCE CLE	40066898	ALL OTHER OFFICE C
61358	RATER	40065209	RATERS
61360	REAL ESTATE CLERK	40066818	REAL ESTATE CLERKS
61361	RECEPTIONIST	40064802	RECEPTIONISTS
61365	SAFE DEPOSIT CLERK	40066820	SAFE DEPOSIT CLERK

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61368 SECRETARY                      40020200 SECRETARIES
61369 SECURITY DESCRIPTION           40066822 SECURITY DESCRIPTI
61370 SERVICE OBSERVER               40066205 SERVICE OBSERVERS
61372 STATEMENT CLERK                40066823 STATEMENT CLERKS
61373 AUTOMOBILE REPAIR-SE           40066824 SERVICE CLERKS
61374 STATISTICAL CLERK              40065211 STATISTICAL CLERKS
61375 SURVEY WORKER                  40062000 SURVEY WORKERS
61376 SWITCHBD OPERATOR              40066201 SWITCHBOARD OPERAT
61377 SWTCHBD OP/RECEPTION           40064803 SWITCHBD OPS/RECEP
61378 COUNTER CLERK, TELEG           40061609 COUNTER CLERKS,TEL
61380 MESSENGER                      40063602 MESSENGERS
61382 TELLER                         40060203 TELLERS
61383 TICKET AGENT                   40066405 TICKET AGENTS
61384 TITLE SEARCHER                 40066825 TITLE SEARCHERS
61385 SCRIPT CLERK                   40066847 SCRIPT CLERKS
61386 TRAFFIC CLERK                  40066826 TRAFFIC CLERKS
61388 TRANSFER CLERK                 40066827 TRANSFER CLERKS
61389 TRANSIT CLERK                  40040203 TRANSIT CLERKS
61390 TRAVEL COUNSELOR, AU           40064804 TRAVEL COUNSELORS,
61391 TRAVEL CLERK                   40066898 ALL OTHER OFFICE C
61392 TYPIST                         40020600 TYPISTS
61395 WORKSHEET CLERK                40065212 WORKSHEET CLERKS
61396 CLERICL SUPERVISOR             40061200 CLERICAL SUPERVISORS
61397 BOX ESTIMATOR,PAP              40062222 BOX ESTIMATORS
61401 ELIGIBILITY WORKER,            40061000 ELIGIBILITY WORKERS,
61410 TEACHER AIDE AND/OR            40065600 TEACHERS AIDES/EDUC
61416 CIRCULATION CLERK              40061605 CIRCULATION CLERKS
61417 CLASSIFIED-AD CLERK,           40061606 CLASSIFIED AD CLER
61418 CUSTOMER SERV REP, P           40062216 CUSTOMER SERV REPS
61419 TELEPHONE AD-TAKER             40061607 TELEPHONE AD TAKER
61420 INSURANCE CHECKER              40065217 INSURANCE CHECKERS
61421 CREDIT CLERK                   40066841 CREDIT CLERKS,BANK
61422 MORTGAGE CLOSING CLE           40066842 MORTGAGE CLOSING C
61423 CLAIM EXAMINER, LIFE           40062801 CLAIM EXAMINERS,IN
61424 SORTING CLERK, BANK            40066844 SORTING CLERKS,BAN
61425 COURT CLERK                    40065216 COURT CLERKS
61426 TOWN CLERK                     40066840 TOWN CLERKS
61427 POSTAL SERVICE CLERK           40064200 POSTAL SERVICE CLERK
61428 DIRECTORY ASSISTANCE           40066203 DIRECTORY ASSISTAN
61429 TELEGRAPH OPR                  40066000 TELEGRAPH OPERATORS
61430 CENTRAL OFFICE OPERA           40066202 CENTRAL OFFICE OPE
61431 STATION AGENT                  40066401 STATION AGENTS
61432 ADMISSIONS EVALUATOR           40062603 ADMISSIONS EVALUAT
61433 PROOFREADER, CLERICL           40064411 PROOFREADERS, CLER
61434 LOAN CLOSER                    40066801 LOAN CLOSERS
61435 CUSTOMER SERVICE REP           40066808 SERVICE REPRESENTA
61436 LICENSE CLERK                  40066848 LICENSE CLERKS
61900 ALL OTHER OFF CLERIC           40066898 ALL OTHER OFFICE C
62002 METER READER, UTILIT           40063800 METER READERS
62003 PRODUCTION CLRK/COOR           40062400 PRODUCTION CLERKS
62004 SHIPPING PACKER                40065002 SHIPPING PACKERS
62005 SHIPPING/RECEVNG CLK           40065001 SHIPPING & RECEIVI
62007 WEIGHER, RCD-KPNG              40066600 WEIGHERS,RECORD KEEP
62008 STOCK CLERK, STOCKRM           40065404 STOCK CLERKS,STOCK
62010 METER READER, TAXI O           40065214 METER READERS,TAXI
62012 DISPATCHER, AIRPLANE           40061801 DISPATCHERS,AIRPLA
62013 CREW SCHEDULER                 40065202 CREW SCHEDULERS
62015 TRANSPORTATION AGENT           40066404 TRANSPORTATION AGE
62016 WEATHER CLERK                  40066839 WEATHER CLERKS
62018 DISPATCHR,VEH,SER,WK           40061804 DISPATCHERS,VEHICL
62019 FREIGHT HANDLER                40063401 FREIGHT HANDLERS
62024 MARKING CLERK                  40066899 ALL OTHER PLANT CL
62025 DISPATCHER, POLICE,            40061803 DISPATCHERS,POLICE
62030 TALLY CLRK,SAWMILL             40065215 TALLY CLERKS,SAW M
62031 SHADE-TICKET MARKER            40066834 SHADE TICKET MARKE
62032 POSTAL MAIL CARRIER            40063200 POSTAL MAIL CARRIERS
62034 MANIFEST CLERK                 40065003 MANIFEST CLERKS
62035 RATE CLERK, FREIGHT            40066838 RATE CLERKS,FREIGH
62036 YARD CLERK                     40065405 YARD CLERKS
62900 ALL OTHER PLNT CLRCL           40066899 ALL OTHER PLANT CL
71000 SALE REPRESENTATIVE            30001800 MISC SALES WORKERS
71002 BUSINESS BROKER                30001401 BUSINESS BROKERS
71003 CONTRIBUTION SOLICITORS        30001804 CONTRIBUTION SOLICITORS
71004 CRATING-AND-MOVING E           30001805 CRATING & MOVING E
71005 PLACER                         30001004 PLACERS
71006 REAL ESTATE BROKER (           30001402 REAL ESTATE BROKER
71007 SALES AGENT, FINANCI           30001604 SALES AGENTS,SALES REPS,FIN SERV
71008 SALES AGENT, REAL ES           30001403 SALES AGENTS,SALES REPS,REAL EST
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71009	SALES AGENT, SECURIT	30001605	SALES AGENTS,SALES REPS,SECURITY
71010	TRAFFIC AGENT	40066402	TRAFFIC AGENTS
71012	SALES AGENT, INSURAN	30001005	SALES AGENTS,SALES REPS,INSURNCE
71016	BROKER-AND-MARKET OPERATORS,COMM	30001601	BROKER & MARKET OPERATORS,COMM
71900	ALL OTHER SALES AGEN	30001899	ALL OTHER SALES WORKERS
71998	SALES REP,TECHNICAL	30001808	SALES REPS.,TECHNI
71999	SALES REP, NONTECHNICAL	30001807	SALES REPS.,NONTEC
72002	SALES CLERK	30001802	SALES CLERKS
72004	DEMONSTRATOR	30001899	ALL OTHER SALES WORKERS
72006	VENDOR	30001803	VENDORS
72007	SALES CLK SUPERVISOR	30001806	SALES CLERK SUPERV
79000	ALL OTHER SALES WORKERS	30001899	ALL OTHER SALES WORKERS

REFERENCE G

Conversion Table: OES Survey-Based Matrix Occupational Codes and Titles to OES Survey Occupational Codes and Titles

This reference contains a listing arranged in ascending numerical order of all eight-digit OES survey-based matrix codes with their five-digit OES survey equivalents. The first two digits of a survey-based matrix code indicate the broad occupational category, such as 10000000, Professional; 20000000, Managerial, or 70000000, Service. The third and fourth digits indicate a subdivision of the major group. Thus, 10020000 is Engineers, 10040000 is Life and Physical Scientists, and 10200000, Teachers. The fifth and sixth digits indicate a specific Census occupational title or summary level title such as 10201000, Adult Education Teachers; 10202000, College and University Teachers, or 10203000, Elementary School Teachers. The final two digits indicate the specific OES occupation. Thus 10202002 is College Teachers, 10202003 is Graduate Assistants and 10202004 is Extension Service Specialists.

Some matrix occupations are matched to two or more OES survey occupations. This occurs where survey occupations were combined to form a single matrix occupation. The OES survey-based industry occupation matrix and the OES survey classification system are explained on pages 59 through 65 of this publication. Reference F contains a numerical list of OES survey occupation codes and titles, matched to their matrix equivalents.

REFERENCE G

CONVERSION TABLE: OES SURVEY-BASED MATRIX OCCUPATIONAL CODES AND TITLES TO OES SURVEY OCCUPATIONAL CODES AND TITLES

MATRIX OCCUPATIONS		OES SURVEY OCCUPATIONS	
CODE	TITLE	CODE	TITLE
00000000	TOTAL, ALL OCCUPATIONS		
10000000	PROFESS,TECHN,& KINDRED OC		
10020000	ENGINEERS		
10020200	AERONAUTICAL ENGINEERS	21001	AERONAUTICAL ENGINEE
10020400	CHEMICAL ENGINEERS	21003	CHEMICAL ENGINEER
		21014	CERAMIC ENGINEER
10020600	CIVIL ENGINEERS	21004	CIVIL ENGINEER
10020800	ELECTRICAL ENGINEERS	21005	ELEC & ELEC ENGINEER
10021000	INDUSTRIAL ENGINEERS	21006	INDUSTRIAL ENGINEER
		21012	SAFETY ENGINEER
10021200	MECHANICAL ENGINEERS	21007	MARINE ENGINEER
		21008	MECHANICAL ENGINEER
10021400	METALLURGISTS & MET ENGI	21009	METAL ENGINEER
10021600	MINING ENGINEERS	21010	MINING ENGINEER
10021800	PETROLEUM ENGINEERS	21011	PETROLEUM ENGINEER
10022000	OTHER ENGINEERS		
10022003	TRAFFIC ENGINEERS	21013	TRAFFIC ENGINEER
10022004	NUCLEAR ENGINEERS	21017	NUCLEAR ENGINEER
10022099	ALL OTHER ENGINEERS	21000	ENGINEERS
		21002	AGRICULTURAL ENGINEE
		21900	ALL OTHER ENGINEERS
10040000	LIFE & PHYSICAL SCIENTIST		
10040200	AGRICULTURAL SCIENTISTS	22301	AGRICULTURAL SCIENTI
10040400	METEOROLOGISTS	22203	METEOROLOGIST
10040600	LIFE SCIENTISTS		
10040601	BIOLOGICAL SCIENTISTS	22302	BIOLOGICAL SCIENTIST
10040602	MEDICAL SCIENTISTS	22305	MEDICAL SCIENTIST
10040800	CHEMISTS	22201	CHEMIST
10041000	GEOLOGISTS & GEOPHYSICIS	22202	GEOLOGISTS & GEOPHYS
10041400	PHYSICISTS	22205	PHYSICIST
10041600	LIFE & PHYSICAL SCIENTIS		
		22000	NAT & MATH SCIENTIST
		22200	PHYSICAL SCIENTISTS
		22204	OCEANOGRAPHER
		22299	ALL OTHR PHYS SCIENT
		22300	LIFE SCIENTIST
		22399	ALL OTHER LIFE SCIEN
		22999	ALL OTH NAT & MATH S
10060000	MATHEMATICAL SPECIALISTS		
10060200	ACTUARIES	22101	ACTUARY
10060400	MATHEMATICAL SCIENTISTS		
		22100	MATHEMATICAL SCIENTI
10060402	MATHEMATICIANS	22103	MATHEMATICIAN
10060403	ALL OTHER MATH SCIENTI	22199	ALL OTHR MATH SCIENT
10060600	STATISTICIANS	22104	STATISTICIAN
10080000	ENGINEERING,SCIENCE TECHN		
10080600	DRAFTERS		
10080601	DRAFTERS	32003	DRAFTER
10080602	ESTIMATORS & DRAFTERS,	32021	ESTMATR & DRFTR, UTL
10080800	ELECTRICAL,ELECTRONIC TE		
10080801	SOUND RECORDING & REPR	32015	SOUND RECORDING AND
10080802	VIDEO RECORDING ENGINE	32016	VIDEO-RECORDING ENGI
10080803	ELECTRICAL & ELECTRONI	32004	ELECT & ELECTRO TECH
10080806	MICROPHONE BOOM OPERAT	55B92	MICROPHONE-BOOM OPER
10080808	BROADCAST TECHNICIANS	32017	BROADCAST TECHNICIAN
10081000	INDUSTRIAL ENGINRING TEC	32019	INDUSTRIAL ENG TECH
10081200	MATHEMATICAL TECHNICIANS	34015	MATHEMATICAL TECHNIC
10081400	MECHAN ENGINEERING TECHN	32010	MECHANICAL ENG TECH
10081600	SURVEYORS	32008	SURVEYOR
10081800	ENGIN & SCI TECHNS,NEC		
10081803	COMPUTERS,PROSP & COMP	32001	COMPUTER,PROSPECTING
10081804	OBSERVERS,ELEC PROSP/G	32005	OBSERVER,ELECTRICAL
10081808	TIMBER CRUISERS	33005	TIMBER CRUISER
10081809	SCOUTS	32007	SCOUT
10081811	COLORISTS TEXTILES	33004	COLORIST
10081813	TRAFFIC TECHNICIANS	32012	TRAFFIC TECHNICIAN
10081815	LIGHT TECHNICIANS	32018	LIGHT TECHNICIAN

CONVERSION TABLE: OES SURVEY-BASED MATRIX OCCUPATIONAL CODES AND TITLES TO OES SURVEY OCCUPATIONAL CODES AND TITLES

MATRIX OCCUPATIONS		OES SURVEY OCCUPATIONS	
CODE	TITLE	CODE	TITLE
	ENGINEERING AND SCIENCE TECHNICIANS, NEC., CONTINUED		
10081816	CIVIL ENGINEERING TECH	32020	CIVIL ENG TECH
10081898	ALL OTHR ENGINEERING T	32000	ENGINEERING TECHNICI
		32009	RADIOGRAPHER
		32013	SPECTROSCOPIST
		32014	SPECIFICATION WRITER
		32900	ALL OTHER ENG TECH
10081899	ALL OTHER SCIENCE TECH	33000	SCIENCE TECHNICIANS
		33001	PHYSICAL SCIENCE TEC
		33002	BIOL SCIENCE TECH
		33900	ALL OTHR SCIENC TECH
10100000	MEDICAL WORKERS,EX TECHNS		
10100200	CHIROPRACTORS	25419	CHIROPRACTOR
10100400	DENTISTS	25433	DENTIST
10100600	DIETITIANS &/OR NUTRITIO	25434	DIETITION AND/OR NUT
10100800	NURSES,PROFESSIONAL	25457	NURSE, PROFESSIONAL
10101000	OPTOMETRISTS	25459	OPTOMETRIST
10101200	PHARMACISTS	25466	PHARMACIST
10101400	PHYSICIANS &/OR SURGEONS	25469	PHYSICIAN AND/OR SUR
10101600	PODIATRISTS	25470	PODIATRIST
10101800	THERAPISTS		
10101801	OCCUPATIONAL THERAPIST	25458	OCCUPATIONAL THERAPI
10101802	MANUAL ARTS,MUSIC,REC	25537	MANUAL-ARTS, THERAPI
		34038	MANUAL-ARTS, MUSIC,
10101803	SPEECH & HEARING CLINI	25538	SPEECH PATHOLOGIST/A
10101804	PHYSICAL THERAPISTS	25468	PHYSICAL THERAPIST
10101807	AUDIOMETRISTS	25539	AUDIOMETRIST
10101808	CORRECTIVE THERAPISTS	25541	CORRECTIVE THERAPIST
10101809	INHALATION THERAPISTS	25542	RESPIRATORY THERAPIST
10101810	ALL OTHER THERAPISTS	25522	ALL OTHER THERAPIST
10102000	VETERINARIANS	25488	VETERINARIAN
10120000	OTHER HEALTH TECHNOLS & T		
10120200	HEALTH TECHNOLS & TECHNS		
10120201	MEDICAL LAB TECHNOLOGI	35002	MEDICAL LABORATORY T
10120202	BIOCHEMISTRY TECHNOLOG	35003	BIOCHEMISTRY TECHNOL
10120203	MICROBIOLOGY TECHNOLOG	35004	MICROBIOLOGY TECHNOL
10120204	CYTOTECHNOLOGISTS	35005	CYTOTECHNOLOGIST
10120205	HISTOLOGIC TECHNOLOGIS	35006	HISTOLOGIC TECHNOLOG
10120206	MEDICAL LAB ASSISTANTS	35010	MEDICAL LAB TECH
10120207	BLOOD BANK TECH SPECIL	35015	BLOOD BANK TECH SPEC
10120400	DENTAL HYGIENISTS & ASST		
10120401	DENTAL ASSISTANTS	34003	DENTAL ASSISTANT
10120402	DENTAL HYGIENISTS	35001	DENTAL HYGIENIST
10120600	MEDICAL RECORD LIBRARIAN	34048	MEDICAL-RECORD LIBRA
10120800	RADIOLOGIC TECHNOLS,TECH		
10120801	X-RAY TECHNICIANS	34036	RADIOLOGIC TECH
10120804	RADIOLOGIC TECHS & NUC	35007	NUCLEAR MEDICINE TEC
		35008	RADIATION THERAPY TE
		35018	RADIOLGC &/OR NUCLEA
10121000	OTHER HEALTH TECHNOLS,TE		
10121002	SURGICAL TECHNICIANS	34034	SURGICAL TECHNICIAN
10121004	ORTHOPISTS	34021	ORTHOPIST
10121005	PROSTHETISTS,ORTHOTIST	35009	PROSTHETIST-ORTHOTIS
10121006	EKG TECHNICIANS	35011	ELECTROCARDIOGRAPH T
10121007	EEG TECHNICIANS	35012	ELECTROENCEPHALOGRAP
10121008	EMERGENCY MEDICAL TECH	35013	EMERGENCY MED TECH
10121009	PHARMACY HELPERS	34047	PHARMACY HELPER
10121010	LICENSED PRACTICAL NUR	34013	LICENSED PRACTICAL N
10121011	DIETETIC TECHNICIANS	35014	DIETETIC TECHNICIAN
10121012	PHYSICAL THERAPY TECHN	35016	PHYS THERAPY ASST
10121099	ALL OTHER MED & DENT T	35000	MEDICAL AND DENTAL T
		35900	ALL OTHER MEDICAL AN
10140000	TECHNICIANS,EX HEALTH OR		
10140200	AIRPLANE PILOTS	34023	AIRPLANE PILOT
10140400	AIR TRAFFIC CONTROLLERS	34002	AIR TRAFFIC CONTROLL
10140600	EMBALMERS	25437	EMBALMER
10140800	FLIGHT ENGINEERS	34010	FLIGHT ENGINEER
10141000	RADIO OPERATORS	34027	RADIO OPR

CONVERSION TABLE: OES SURVEY-BASED MATRIX OCCUPATIONAL CODES AND TITLES TO OES SURVEY OCCUPATIONAL CODES AND TITLES

MATRIX OCCUPATIONS		OES SURVEY OCCUPATIONS	
CODE	TITLE	CODE	TITLE
	TECHNICIANS, EXCEPT HEALTH, CONTINUED		
10141200	TOOL PROGRAMMERS,NUMERIC	32011	TOOL PROG,NUM CONTRL
10141400	OTHER TECHNS,EX HEALTH O		
10141401	MUSEUM TECHNICIANS,RES	34019	MUSEUM TECHNICIAN AN
10141403	TAXIDERMISTS	34035	TAXIDERMIST
10141404	ALL OTHER TECHNICIANS	34016	PHYSICIAN'S ASSISTAN
		34026	RADIATION MONITOR
		39000	ALL OTHR TECHNICIANS
10141405	TECHNICAL ASSISTANTS,L	34029	TECH ASST LIBRARY
10160000	COMPUTER SPECIALISTS		
10160200	COMPUTER PROGRAMMERS	31000	COMPUTER PROGRAMMER
		31001	COMPUTER PROG, BUS
		31002	COMPTR PROG,SCI&TECH
10160400	SYSTEMS ANALYSTS,EDP	24000	SYSTEMS ANALYST, EDP
		24001	SYSTEMS ANALYST, BUS
		24002	SYS ANAL, SCI & TECH
10180000	SOCIAL SCIENTISTS		
10180200	ECONOMISTS		
10180201	FINANCIAL ANALYSTS	22102	FINANCIAL ANALYST
10180202	ECONOMISTS	23002	ECONOMIST
10180204	MEDIA ANALYSTS	25450	MEDIA ANALYST
10180600	PSYCHOLOGISTS	23004	PSYCHOLOGIST
10180800	SOCIOLOGISTS	23005	SOCIOLOGIST
10181000	URBAN AND REGIONAL PLANN	23006	URBAN AND REGIONAL P
10181200	ALL OTHER SOCIAL SCIENTI	23000	SOCIAL SCIENTIST
		23003	MARKET-RESEARCH ANAL
		23900	ALL OTHER SOCIAL SCI
10200000	TEACHERS		
10201000	TEACHERS,ADULT EDUCATION	25106	TEACHER,NON-VOC ED
10202000	COLLEGE & UNIVERSITY TEA		
10202001	TEACHERS,VOCATIONAL ED	25105	TEACHER, VOCATIONAL
10202002	TEACHERS,COLLEGE	25104	TEACHER/INST COL ETC
10202003	GRADUATE ASSISTANTS	25108	GRADUATE ASSISTANT
10202004	EXTENSION SERVICE SPEC	25545	EXTENSION SERVICE SP
10202005	PROFESSORS	25109	PROFESSOR
10202006	ASSOC. PROFESSORS	25110	ASSOCIATE PROF
10202007	ASST. PROFESSORS	25111	ASSISTANT PROF
10202008	LECTURERS	25112	LECTURER
10202009	ATHLETIC COACHES	25114	ATHLETIC COACH
10203002	PRESCH. &/OR ELEM. SCH	25115	TEACHER, ELEM OR PRE
10205000	TEACHERS,SECONDARY	25103	TEACHER, SECOND SCH
10206000	TEACHERS,NEC		
10206001	DANCE INSTRUCTORS	25430	DANCE INSTRUCTOR
10206003	INSTRUCTORS,CORRESP. S	25113	INSTRUCTOR, CORR SCH
10206099	ALL OTHER TEACHERS	25199	ALL OTHER TEACHER
		25435	INSTRUCTOR, AUTOMOBI
10220000	WRITERS,ARTISTS,ENTERTAIN		
10220200	ACTORS OR ACTRESSES	25402	ACTOR OR ACTRESS
		25425	COMEDIAN
10220400	ATHLETES & KINDRED WORKE		
10220401	ATHLETES	25410	AHTLETE
10220402	COACHES,PROFESSIONAL A	25424	COACH, PROFESSIONAL
10220403	SPORTS INSTRUCTORS	25479	SPORTS INSTRUCTOR
10220404	UMPIRES	25486	UMPIRE
10220405	ATHLETIC TRAINERS	25496	ATHLETIC TRAINER
10220800	DANCERS	25431	DANCER
10221000	DESIGNING OCCUPATIONS		
10221001	DESIGNERS	25489	DESIGNER
10221003	FURRIERS	25528	FURRIER
10221200	EDITORS & REPORTERS		
10221201	WRITERS &/OR EDITORS	25436	WRITER AND/OR EDITOR
10221202	FILM EDITORS	25440	FILM EDITOR
10221203	REPORTERS & CORRESPOND	25476	REPORTERS AND CORRES
10221400	MUSICIANS		
10221404	MUSICIANS,INSTRUMENTAL	25456	MUSICIAN, INSTRUMENT
10221405	SINGERS	25480	SINGER
10221408	MUSIC DIRECTORS	25455	MUSIC DIRECTOR

CONVERSION TABLE: OES SURVEY-BASED MATRIX OCCUPATIONAL CODES AND TITLES TO OES SURVEY OCCUPATIONAL CODES AND TITLES

MATRIX OCCUPATIONS		OES SURVEY OCCUPATIONS	
CODE	TITLE	CODE	TITLE
10221600	PAINTERS & SCULPTORS		
10221601	COMMERCIAL ARTISTS	25426	COMMERCIAL ARTIST
10221604	PAINTERS,ARTISTIC	25461	PAINTER,ARTISTIC
10221605	PAINTINGS RESTORERS	34022	PAINTINGS RESTORER
10221800	PHOTOGRAPHIC OCCUPATIONS		
10221801	ALL OTHER PHOTOGRAPHER	25200 25201 25202 25299	PHOTOGRAPHER PHOTOGRAPHER, PORTRAIT PHOTOGRAPHER,SCIENTIFIC ALL OTHER PHOTOGRAPHERS
10221802	TELEVISION CAMERA OPER	25205	TELEVISION CAMERA OP
10222000	PUBLIC RELATIONS SPECIAL	25472	PUBLIC-RELATIONS PRA
10222200	RADIO,TV ANNOUNCERS		
10222201	ANNOUNCERS	25409	ANNOUNCER
10222202	BROADCAST NEWS ANALYST	25412	BROADCAST NEWS ANALY
10222400	WRITERS,ARTISTS,ENTRTAIN		
10222401	MOTION PICTURE NARRATO	25453	MOTION PICTURE NARRA
10240000	OTH PROFESSIONAL & TECHN		
10240200	ACCOUNTING OCCUPATIONS		
10240201	ACCOUNTANTS & AUDITORS	25401	ACCOUNTANTS AND AUDI
10240203	TAX EXAMINERS,COLLECTR	25507	TAX EXAMINER,COLLECT
10240204	TAX PREPARERS	25534	TAX PREPARER
10240400	ARCHITECTS	25403 25405	LANDSCAPE ARCHITECT ARCHITECT
10240600	ARCHIVISTS & CURATORS		
10240601	ARCHIVISTS	25406	ARCHIVIST
10240602	ART APPRAISERS	25408	APPRAISER, ART
10240603	MUSEUM CURATORS	25454	CURATOR, MUSEUM
10240800	BUYING OCCUPATIONS		
10240801	PURCHASING AGENTS &/OR	25300	PURCH AGNT &/OR BUYR
10240802	LEASE BUYERS	25447	LEASE BUYER
10240803	MEDIA BUYERS	25414	MEDIA BUYER
10240804	BUYERS,RETAIL &/OR WHO	25301	BUYER, RETAIL AND/O
10240805	RIGHT-OF-WAY AGENTS	25477	RIGHT-OF-WAY AGENT
10241000	CLERGY	25423	CLERGY
10241200	DIRECTORS,REL ACT &/OR R	25475	DIRECTOR OF RELIGIOU
10241400	COUNTY AGRIC. SPECIALIST	25550	COUNTY AGRICULTURAL
10241600	FORESTERS & CONSERV SCIE	22308	FORESTER AND CONSERV
10242000	JUDICIAL OCCUPATIONS		
10242001	JUDGES	25504	JUDGE
10242002	MAGISTRATES	25505	MAGISTRATE
10242200	LAWYERS & KINDRED WORKER		
10242201	LAW CLERKS	25445	LAW CLERK
10242202	LAWYERS	25446	LAWYER
10242203	PARALEGAL PERSONNEL	25462	PARALEGAL PERSONNEL
10242400	LIBRARIANS & RELATED WOR		
10242401	LIBRARIANS	25448	LIBRARIAN, PROFESSIO
10242402	AUDIO VISUAL SPECIALIS	25544	AUDIOVISUAL SPECIALI
10242800	PERSONNEL & EMPLOYMENT W		
10242802	PERSONNEL,LABOR REL SP	25465	PERS & LAB REL SPEC
10242803	EMPLOYMENT INTERVIEWER	25443	EMPLOYMENT INTERVIEW
10243200	RECREATION WORKERS		
10243201	GROUP RECREATION WORKE	25535	GROUP RECREATION WOR
10243206	CAMP DIRECTORS	25416	DIRECTOR, CAMP
10243400	SOCIAL WORKERS		
10243401	CASEWORKERS	25418	CASEWORKER
10243404	WELFARE INVESTIGATORS	25503	WELFARE INVESTIGATOR
10243405	COMMUNITY ORGANIZATION	25501	COMMUNITY ORGANIZATI
10243600	VOCATIONAL & EDUC COUNSE	25107	VOCATIONAL/EDUC COUN
10243800	MISC PROFESSIONAL WORKER		
10243801	CURRICULUM SPECIALISTS	25546	CIRRICULUM SPECIALIS
10243802	TECHNICAL DIRECTORS	25483	TECHNICAL DIRECTOR
10243803	HOSPITAL INS REPRESENT	25441	HOSPITAL-INSURANCE R
10243804	SAFETY INSPECTORS	25478	SAFETY INSPECTOR
10243807	APPRAISERS	25404	APPRAISER
10243808	COST ESTIMATORS	25427	COST ESTIMATOR
10243809	CREDIT ANALYSTS,CHIEF	25428	CREDIT ANALYST, CHIE
10243810	CREDIT ANALYSTS	25429	CREDIT ANALYST
10243811	TITLE EXAMINERS &/OR A	25485	TITLE EXAMINER AND/O

CONVERSION TABLE: OES SURVEY-BASED MATRIX OCCUPATIONAL CODES AND TITLES TO OES SURVEY OCCUPATIONAL CODES AND TITLES

MATRIX OCCUPATIONS		OES SURVEY OCCUPATIONS	
CODE	TITLE	CODE	TITLE
	MISC PROFESSIONAL WORKER, CONTINUED		
10243812	CLAIM AGENTS	25526	CLAIM AGENT
10243813	ESTIMATORS,PRINTING SE	25540	ESTIMTR,PRINTNG SERV
10243814	UNDERWRITERS	25548	UNDERWRITER
10243815	INVESTIGATORS,INSURANC	25442	INVESTIGATOR, INSURA
10243816	APPRAISERS,REAL ESTATE	25527	APPRAISER, REAL ESTA
10243817	ASSESSORS	25517	ASSESSOR
10243818	CLAIMS TAKERS,UNEMP BE	25543	CLAIMS TAKER, UNEMPL
10243819	BROKER'S FL REPS,SEC T	25529	BROKER'S FLOOR REPRE
10243820	SPECIAL AGENTS,INSURAN	25530	SPECIAL AGENT,INSURA
10243821	TRAVEL AGTS,TR ACCOM A	25531	TRAVEL AGENT AND/OR
10243822	CLAIM EXAMINERS,PRPTY/	25533	CLAIM EXAMINER, PROP
10243823	BLDG INSPECTORS,FIRE I	25536	BUILDING INSPECTOR,
10243825	CONTRACT ADMINISTRATORS	25551	CONTRACT ADMINISTRATORS
10243899	ALL OTHER PROFESSIONAL	25413	BUDGET ANALYST
		25420	CHOIRMASTER
		25452	MODEL MAKER
		25484	TITLE CLERK
		25532	HOME ECONOMIST
		29000	ALL OTHER PROF WKRS
20000000	MANAGERS & OFFICIALS		
20020000	SALES MANAGERS		
20020800	MANAGERS,MERCHANDISE	10032	MANAGER, MERCHANDISE
20040000	ADMINISTRATORS,PUB INSPEC		
20040400	CONSTRUCTION INSPECTORS	10009	CONSTRUCTION INSPECT
20040800	PUBLIC ADM INSPECTORS,EX	10001	PUBLIC ADMISTRATIO
20041000	CHIEF EXECUTIVES,LEGIS.	10057	CHIEF EXEC, LEGISLST
20041200	POSTMASTERS &/OR MAIL SU	10050	POSTMASTER AND/OR MA
20041600	SCHOOL ADMINS,ELEM & SEC		
20041601	PRINCIPALS	10051	PRINCIPAL
20041602	ASST. PRINCIPALS	10052	ASSISTANT PRINCIPAL
20041603	SUPERINTENDENTS	10053	SUPERINTENDENT
20060000	OTHER MANAGERS,OFFICIALS,		
20060800	OFFICERS,PILOTS,PURSERS,		
20060801	CAPTAINS,WATER VESSEL	10055	CAPTAINS,WATER VESSEL
20060802	PILOTS,SHIP	10056	PILOT, SHIP
20061200	CONDUCTORS,TRAIN	55A71	CONDUCTOR, TRAIN
20061400	MANAGERS,REST'RANT,COFFE	10011	DIRECTOR, FOOD AND
		10049	MANAGER, RESTAURANT,
20061600	OTHER MANAGERS, ADMINIST		
		10000	MANAGERS AND OFFICER
20061611	FASHION COORDINATORS	10033	FASHION COORDINATOR
20061612	MANAGERS,STORE	10035	MANAGER, STORE
20061613	MANAGERS,AUTO SERVICE	10046	MANAGER, AUTOMOBILE
20061614	MANAGERS,AUTO PARTS DE	10047	MANAGER, AUTOMOTIVE
20061615	WHOLESALERS	10048	MANAGER, WHOLESALE
20061699	ALL OTHER MANAGERS	19000	ALL OTHER MANAGERS
30000000	SALES WORKERS		
30001000	INSURANCE AGENTS,BROKERS		
30001004	PLACERS	71005	PLACER
30001005	SALES AGENTS,SALES REP	71012	SALES AGENT, INSURANCE
30001400	REAL ESTATE AGENTS,BROKE		
30001401	BUSINESS BROKERS	71002	BUSINESS BROKER
30001402	REAL ESTATE BROKERS	71006	REAL ESTATE BROKER (
30001403	SALES AGENTS,SALES REP	71008	SALES AGENT, REAL ESTATE
30001600	STOCK & BOND SALES AGENT		
30001601	BROKER & MARKET OPERAT	71016	BROKER-AND-MARKET OP
30001604	SALES AGENTS,SALES REP	71007	SALES AGENT, FINANCI
30001605	SALES AGENTS,SALES REP	71009	SALES AGENT, SECURIT
30001800	MISC SALES WORKERS		
		71000	SALE REPRESENTATIVE
30001802	SALES CLERKS	72002	SALES CLERK
30001803	VENDORS	72006	VENDOR
30001804	CONTRIBUTION SOLICITOR	71003	CONTRIBUTION SOLICITOR
30001805	CRATING & MOVING ESTIM	71004	CRATING-AND-MOVING E
30001806	SALES CLERK SUPERVISOR	72007	SALES CLK SUPERVISOR
30001807	SALES REPS.,NONTECHNIC	71999	SALES REP, NONTECHNICAL
30001808	SALES REPS.,TECHNICAL	71998	SALES REP,TECHNICAL
30001899	ALL OTHER SALES WORKER	71900	ALL OTHER SALES AGEN
		72004	DEMONSTRATOR
		79000	ALL OTHER SALES WORKER

CONVERSION TABLE: OES SURVEY-BASED MATRIX OCCUPATIONAL CODES AND TITLES TO OES SURVEY OCCUPATIONAL CODES AND TITLES

MATRIX OCCUPATIONS		OES SURVEY OCCUPATIONS	
CODE	TITLE	CODE	TITLE
40000000	CLERICAL WORKERS		
40020000	STENOS,SECRETARIES,& TYPI		
40020200	SECRETARIES	61368	SECRETARY
40020400	STENOGRAPHERS	61200	STENOGRAPHER
40020600	TYPISTS	61392	TYPIST
40040000	OFFICE MACHINE OPERATORS		
40040200	OFFICE MACHINE OPERATORS		
40040201	BOOKKEEPING/BILLING MA	61103	BKKPNG/BILLING MA OP
40040202	PROOF MACHINE OPERATOR	61112	PROOF MACH OPERAT
40040203	TRANSIT CLERKS	61389	TRANSIT CLERK
40040600	COMPUTER,PERIPHERAL EQUI		
40040601	COMPUTER OPERATORS	61105	COMPUTER OPERATOR
40040602	PERIPHERAL EDP EQPT OP	61109	PERIPHERAL EDP EQP O
40040800	DUPLICATING MACHINE OPER	61120	DUPLICATING MACH
40041000	KEYPUNCH OPERATORS	61107	KEYPUNCH OPERATOR
40041200	TABULATING MACHINE OPERA	61113	TABULATNG-MACH OP
40041400	ALL OTHER OFFICE MACHI	61101	ADDRESSING MACH OPER
		61117	INSERTING/LABLING MA
		61119	CALCULATING MACH
		61199	ALL OTHER OFF MACH O
40060000	OTHER CLERICAL WORKERS		
40060200	BANK TELLERS		
40060201	NEW ACCOUNTS TELLERS	61349	NEW-ACCOUNTS TELLER
40060203	TELLERS	61382	TELLER
40060600	BOOKKEEPERS		
40060601	ACCOUNTING CLERKS	61301	ACCOUNTING CLERK
40060603	BOOKKEEPERS,HAND	61307	BOOKKEEPER,HAND
40060800	CASHIERS	61314	CASHIER
40061000	ELIGIBILITY WORKERS,WELF	61401	ELIGIBILITY WORKER,
40061200	CLERICAL SUPERVISORS	61396	CLERICL SUPERVISOR
40061400	COLLECTORS	61319	COLLECTOR
40061600	COUNTER CLERKS,EX FOOD		
40061601	CAR RENTAL CLERKS	61312	CAR RENTAL CLERK
40061603	DESK CLERKS	61335	DESK CLERK
40061604	ORDER CLERKS	61350	ORDER CLERK
40061605	CIRCULATION CLERKS	61416	CIRCULATION CLERK
40061606	CLASSIFIED AD CLERKS,N	61417	CLASSIFIED-AD CLERK,
40061607	TELEPHONE AD TAKERS,NE	61419	TELEPHONE AD-TAKER
40061608	DESK CLERKS,BOWLING FL	61325	DESK CLERK, BOWLING
40061609	COUNTER CLERKS,TELEGRA	61378	COUNTER CLERK, TELEG
40061800	DISPATCHERS,STARTERS,VEH		
40061801	DISPATCHERS,AIRPLANE	62012	DISPATCHER, AIRPLANE
40061803	DISPATCHERS,POLICE,FIR	62025	DISPATCHER, POLICE,
40061804	DISPATCHERS,VEHICLE,SE	62018	DISPATCHR,VEH,SER,WK
40062000	SURVEY WORKERS	61375	SURVEY WORKER
40062200	ESTIMATORS,INVESTIGATORS		
40062201	CREDIT AUTHORIZERS	61344	CREDIT AUTHORIZER
40062208	ADJUSTMENT CLERKS	61313	ADJUSTMENT CLERK
40062209	CHECKING CLERKS	61315	CHECKING CLERK, BANK
40062210	CLAIMS CLERKS	61318	CLAIMS CLERK
40062211	CREDIT REPORTERS	61327	CREDIT REPORTER
40062216	CUSTOMER SERV REPS,PRI	61418	CUSTOMER SERV REP, P
40062222	BOX ESTIMATORS	61397	BOX ESTIMATOR,PAP
40062400	PRODUCTION CLERKS	62003	PRODUCTION CLRK/COOR
40062600	FILE CLERKS & RELATED WO		
40062601	FILE CLERKS	61330	FILE CLERK
40062602	PERSONNEL CLERKS	61352	PERSONNEL CLERK
40062603	ADMISSIONS EVALUATORS	61432	ADMISSIONS EVALUATOR
40062800	CLAIM WORKERS,INSURANCE		
40062801	CLAIM EXAMINERS,INSURA	61423	CLAIM EXAMINER, LIFE
40062803	CLAIM ADJUSTERS	61316	CLAIM ADJUSTER
40063000	LIBRARY ASSISTANTS	61339	LIBRARY ASSISTANT
40063200	POSTAL MAIL CARRIERS	62032	POSTAL MAIL CARRIER
40063400	MAIL HANDLERS,EX POSTAL		
40063401	FREIGHT HANDLERS	6201[illegible]	FREIGHT HANDLER
40063402	MAIL CLERKS	61343	MAIL CLERK
40063600	MESSENGERS & OFFICER HEL		
40063601	MESSENGERS,BANK	61347	MESSENGER, BANK
40063602	MESSENGERS	61380	MESSENGER

CONVERSION TABLE: OES SURVEY-BASED MATRIX OCCUPATIONAL CODES AND TITLES TO OES SURVEY OCCUPATIONAL CODES AND TITLES

MATRIX OCCUPATIONS		OES SURVEY OCCUPATIONS	
CODE	TITLE	CODE	TITLE
40063800	METER READERS	62002	METER READER, UTILIT
40064000	PAYROLL/TIMEKEEPING CLER	61351	PAYROLL/TIMKPNG CLRK
40064200	POSTAL SERVICE CLERKS	61427	POSTAL SERVICE CLERK
40064400	PROOFREADERS		
40064410	PROOFREADERS,COMPOSED	55T15	PROOFREADER,COMP COP
40064411	PROOFREADERS, CLERICAL	61433	PROOFREADER, CLERICL
40064800	RECEPTIONISTS & RELATED		
40064802	RECEPTIONISTS	61361	RECEPTIONIST
40064803	SWITCHBD OPS/RECEPTION	61377	SWTCHBD OP/RECEPTION
40064804	TRAVEL COUNSELORS,AUTO	61390	TRAVEL COUNSELOR, AU
40065000	SHIPPING,RECEIVING OCCUP		
40065001	SHIPPING & RECEIVING C	62005	SHIPPING/RECEVNG CLK
40065002	SHIPPING PACKERS	62004	SHIPPING PACKER
40065003	MANIFEST CLERKS	62034	MANIFEST CLERK
40065200	STATISTICAL CLERKS		
40065201	GAS DISPATCHERS	55B42	DISPATCHER,GAS
40065202	CREW SCHEDULERS	62013	CREW SCHEDULER
40065204	ACTUARIAL CLERKS	61303	ACTUARIAL CLERK
40065205	BROKERAGE CLERKS	61308	BROKERAGE CLERK
40065207	TRADE RECORDERS	61342	TRADE RECORDER
40065208	MARGIN CLERKS	61345	MARGIN CLERK
40065209	RATERS	61358	RATER
40065211	STATISTICAL CLERKS	61374	STATISTICAL CLERK
40065212	WORKSHEET CLERKS	61395	WORKSHEET CLERK
40065214	METER READERS,TAXI	62010	METER READER, TAXI O
40065215	TALLY CLERKS,SAW MILL	62030	TALLY CLRK,SAWMILL
40065216	COURT CLERKS	61425	COURT CLERK
40065217	INSURANCE CHECKERS	61420	INSURANCE CHECKER
40065400	STOCK CLERKS,STORE KEEPE		
40065402	PROCUREMENT CLERKS	61355	PROCUREMENT CLERK
40065404	STOCK CLERKS,STOCKRM,W	62008	STOCK CLERK, STOCKRM
40065405	YARD CLERKS	62036	YARD CLERK
40065600	TEACHERS AIDES/EDUC ASSI	61410	TEACHER AIDE AND/OR
40066000	TELEGRAPH OPERATORS	61429	TELEGRAPH OPR
40066200	TELEPHONE OPERATORS		
40066201	SWITCHBOARD OPERATORS	61376	SWITCHBD OPERATOR
40066202	CENTRAL OFFICE OPERATO	61430	CENTRAL OFFICE OPERA
40066203	DIRECTORY ASSISTANCE O	61428	DIRECTORY ASSISTANCE
40066204	PRIVATE BRANCH SERVICE	61354	PRIVATE BRANCH SERVI
40066205	SERVICE OBSERVERS	61370	SERVICE OBSERVER
40066400	TICKET,STATION,EXPRESS A		
40066401	STATION AGENTS	61431	STATION AGENT
40066402	TRAFFIC AGENTS	71010	TRAFFIC AGENT
40066403	RESERVATION AGENTS	61305	RESERVATION AGENT
40066404	TRANSPORTATION AGENTS	62015	TRANSPORTATION AGENT
40066405	TICKET AGENTS	61383	TICKET AGENT
40066600	WEIGHERS,RECORD KEEPING	62007	WEIGHER, RCD-KPNG
40066800	ALL OTHER CLERICAL WORKE		
40066801	LOAN CLOSERS	61434	LOAN CLOSER
40066802	DIVIDEND CLERKS	61302	DIVIDEND CLERK
40066803	COIN MACH OPS/CURRENCY	61121	COIN MA OP &/OR CURR
40066804	CALL-OUT OPERATORS	61309	CALL-OUT OPR
40066805	CANCELLATION CLERKS	61310	CANCELLATION CLERK
40066806	CAPITAL ANALYSTS	61311	CAPITAL ANALYST
40066808	SERVICE REPRESENTATIVE	61435	CUSTOMER SERVICE REP
40066809	MEDIA CLERKS/ESTIMATOR	61329	MEDIA CLERK, ESTIMAT
40066810	FOREIGN REPORTERS	61331	FOREIGN REPORTER
40066811	GENERAL CLERKS,OFFICE	61333	GENERAL CLERK,OFF
40066812	IN-FILE OPERATORS	61336	IN-FILE OPR
40066814	SECURITIES CASHIERS,EX	61340	SECURITIES CASHIER,
40066815	POLICY CHANGE CLERKS	61353	POLICY-CHANGE CLERK
40066816	PURCHASE & SALES CLERK	61356	PURCHASE AND SALES C
40066818	REAL ESTATE CLERKS	61360	REAL ESTATE CLERK
40066820	SAFE DEPOSIT CLERKS	61365	SAFE DEPOSIT CLERK
40066822	SECURITY DESCRIPTION C	61369	SECURITY DESCRIPTION
40066823	STATEMENT CLERKS	61372	STATEMENT CLERK
40066824	SERVICE CLERKS	61373	AUTOMOBILE REPAIR-SE
40066825	TITLE SEARCHERS	61384	TITLE SEARCHER
40066826	TRAFFIC CLERKS	61386	TRAFFIC CLERK
40066827	TRANSFER CLERKS	61388	TRANSFER CLERK

CONVERSION TABLE: OES SURVEY-BASED MATRIX OCCUPATIONAL CODES AND TITLES TO OES SURVEY OCCUPATIONAL CODES AND TITLES

MATRIX OCCUPATIONS		OES SURVEY OCCUPATIONS	
CODE	TITLE	CODE	TITLE
	ALL OTHER CLERICAL WORKERS, CONTINUED		
40066831	PROTECTIVE SIGNAL OPER	44027	PROTECTIVE-SIGNAL OP
40066833	FILM BOOKERS	61321	FILM BOOKER
40066834	SHADE TICKET MARKERS	62031	SHADE-TICKET MARKER
40066838	RATE CLERKS,FREIGHT	62035	RATE CLERK, FREIGHT
40066839	WEATHER CLERKS	62016	WEATHER CLERK
40066840	TOWN CLERKS	61426	TOWN CLERK
40066841	CREDIT CLERKS,BANK&/OR	61421	CREDIT CLERK
40066842	MORTGAGE CLOSING CLERK	61422	MORTGAGE CLOSING CLE
40066844	SORTING CLERKS,BANK	61424	SORTING CLERK, BANK
40066845	INSURANCE CLERKS	61332	INSURANCE CLERK
40066846	INSURANCE CLERKS,MEDIC	61348	INSURANCE CLERK, MED
40066847	SCRIPT CLERKS	61385	SCRIPT CLERK
40066848	LICENSE CLERKS	61436	LICENSE CLERK
40066898	ALL OTHER OFFICE CLERI	61323	CORRESPONDENCE CLERK
		61324	COUNTER CLERK
		61337	INFORMATION CLERK
		61357	CREDIT REFERENCE CLE
		61391	TRAVEL CLERK
		61900	ALL OTHER OFF CLERIC
40066899	ALL OTHER PLANT CLERIC	62024	MARKING CLERK
		62900	ALL OTHER PLNT CLRCL
50000000	CRAFTS & KINDRED WORKERS		
50020000	CONTRUCTION CRAFTS WORKER		
50020200	CARPENTERS		
50020201	CARPENTERS	55A47	CARPENTERS
50020202	ROOF BOLTERS	55C57	ROOF BOLTER
50020204	SHIPWRIGHTS	55P17	SHIPWRIGHT
50020205	PICTURE FRAMERS	55T39	PICTURE FRAMER
50020600	BRICKMASONS & STONEMASON		
50020601	BRICKLAYERS	55A31	BRICKLAYER
50020602	STONE MASONS	55C92	STONE MASON
50020606	REFRACTORY MATERIALS R	55C46	RFRACTRY MATER RPAIR
50021000	LOGGING TRACTOR OPERATOR	55D27	LOGGING TRACTOR OPER
50021200	CEMENT MASONS		
50021201	CEMENT MASONS	55A51	CEMENT MASON
50021202	CONCRETE WALL GRINDER	55A68	CONCRETE-WALL GRINDE
50021203	CONCRETE RUBBERS	55A69	CONCRETE RUBBER
50021205	CONCRETE STONE FINISHE	55G65	CONCRETE-STONE FINIS
50021206	TERRAZZO WORKERS	55S79	TERRAZZO WORKER
50021400	ELECTRICIANS		
50021401	ELECTRICIANS	55B12	ELECTRICIAN
50021402	STREETLIGHT REPAIRERS,	55C94	STREET-LIGHT REPAIRE
50021800	EXCAVATING,GRADING MACH		
50021802	CONCRETE MIXER OPERATO	55A67	CONCRETE-MIXER OPERA
50021803	DREDGE OPERATORS	55A98	DREDGE OPR
50021805	FINE-GRADERS	55B22	FINE-GRADER
50021806	FORM TAMPER OPERATORS,	55B32	FORM TAMPER OPR
50021807	HEAVY EQUIPMENT OPERAT	55B52	HEAVY EQUIPMENT OPER
50021809	BATCH PLANT OPERATORS	57004	BATCH PLANT OPERATOR
50021810	BALLAST CLEAN MACH OPE	55A27	BALLAST CLEANING-MAC
50022000	FLOOR SANDING MACHINE OP	55B28	FLOOR SANDING MACHIN
50022200	PAINTERS,MAINTENANCE	55C12	PAINTER, MAINTENANCE
50022600	PAPERHANGERS	55C16	PAPERHANGER
50022800	PLASTERERS & RELATED OCC		
50022801	PLASTERERS	55C28	PLASTERER
50022802	STUCCO MASONS	55C97	STUCCO MASON
50023200	PLUMBERS & PIPEFITTERS		
50023202	FITTERS,PIPELAYING	55B26	FITTER, PIPELAYING
50023203	PLUMBERS &/OR PIPEFITT	55C30	PLUMBR &/OR PIPEFITR
50023204	INSTRUMENT FITTERS	55K20	INSTRUMENT FITTER
50023600	ROOFERS	55C58	ROOFER
50023800	STRUCTURAL STEEL WORKE	55C95	LAYOUT WORKER, STRUC
		55C96	STRUCTURAL-STEEL WKR
50024000	TILE INSTALLING OCCUPS		
50024001	TILE SETTERS	55D19	TILE SETTER
50024002	CEILING TILE INSTALLRS	55S06	CEILING-TILE INSTALL
50040000	BLUE COLLAR WORKER SUPVSR		
50040002	DISPATCHERS,MINE CAR	55A90	DISPATCHER, MINE CAR
50040003	SUPERVISORS,NONWORKING	55B29	SUPERVISOR,NONWRKING
		55K01	HOOK TNDR

CONVERSION TABLE: OES SURVEY-BASED MATRIX OCCUPATIONAL CODES AND TITLES TO OES SURVEY OCCUPATIONAL CODES AND TITLES

MATRIX OCCUPATIONS		OES SURVEY OCCUPATIONS	
CODE	TITLE	CODE	TITLE
50060000	METAL WKG CRAFTS WKRS,EX		
50060200	BLACKSMITHS	55A20	BLACKSMITH
50060400	BOILERMAKERS	55A24	BOILERMAKER
50060600	HEAT TREATERS,ANNEALERS,	55J85	HEAT TREATR,ANNEALER
50060800	FORGE & HAMMER OPERATORS		
50060802	FORGING PRESS OPERATOR	55I94	FORGING PRESS OPERAT
50060803	HAMMERSMITHS,OPEN DIE	55J70	HAMMERSMITH,OPEN DIE
50060804	HEADER OPERATORS	55J84	HEADER OPR
50061000	JOB & DIE SETTERS,METAL		
50061002	DIE SETTERS	55H69	DIE SETTER
50061003	MACHINE TOOL SETTERS,M	55L04	MA TOOL SETTR,METAL
50061005	SETTERS,MOLDING & CORE	55N94	SETTER MOLDIN/COREMK
50061007	PUNCH PRESS SETTERS,ME	55R79	PUNCH-PRESS SETTER,M
50061008	SHEAR &/OR SLITTER SET	55R81	SHEAR/SLITTER SETTER
50061009	SETTERS,PLASTIC MOLDIN	55S28	SETTER,PLAST MOLD
50061200	MACHINING OCCUPATIONS		
50061202	LAYOUT MARKERS,METAL	55K61	LAY-OUT MARKER,METAL
50061206	MACHINISTS	55B84	MACHINIST
50061600	MILLWRIGHTS	55B95	MILLWRIGHT
50061800	MOLDERS,METAL		
50061801	METAL MOLD MAKERS	55L21	METAL MOLD MAKER
50061804	MOLDERS,BENCH &/OR FLO	55L57	MOLDR,BENCH/FLOOR
50061805	MOLDERS,MACHINE(METAL)	55L61	MOLDER,MACHINE
50061806	MOLDERS,PATTERN	55L62	MOLDER,PATTERN
50061808	SHELL MOLD/SH CORE MAC	55P13	SHELL-MOLD/CORE MA O
50062200	PATTERN & MODEL MAKERS		
50062202	PATTERNMAKERS,PLASTICS	55M06	PATTERNMKR PLASTIC
50062203	PATTERNMAKERS,METAL	55M09	PATTERNMAKER,METAL
50062204	PATTERNMAKERS,WOOD	55M10	PATTERNMAKER WOOD
50062206	PATTERNMAKERS,STONE	55M12	PATTERNMKR STONE CUT
50062209	MODEL &/OR MOLD MAKERS	55V10	MODEL AND/OR MOLD MK
50062400	ROLLERS & FINISHERS,META		
50062403	FORGING/STRAIGHTENING	55I95	FORGING/STRAIGHTNING
50062404	GUIDE SETTERS	55J68	GUIDE SETTER
50062407	MANIPULATORS,TABLE/BED	55R99	MNIPULATR,TBL/BED OP
50062415	ROLLING MILL OPS/ATTEN	55N32	ROLLING-MILL OPR
		55V01	ROLLNG MILL OP/ATTND
50062416	ROLLING MILL OPERATOR	55V02	ROLLNG MILL OP HELP
50062600	SHEET METAL WORKERS	55C81	SHEET METAL WORKER
50063000	TOOLMAKERS & DIEMAKERS		
		55K21	INSTRUMENT MAKER
50063001	TOOL & DIE MAKERS	55D23	TOOL AND DIE MAKER
		55H66	DIE MAKER
50063003	DIE SINKERS	55H70	DIE SINKER
50080000	MECHS,REPAIRERS,INSTALLER		
50080200	REFRIG MECHANICS,A/C MEC	51052	REFRIG/AIR COND MECH
		55B37	FURNACE INSTALLER-A
		55C04	OIL-BURNER-INSTALLE
50080400	AIRCRAFT MECHANICS	51002	MECHANIC, AIRCRAFT
50080600	AUTO SEAT COVER,TOP INST	55S84	AUTOMOBILE SEAT COVE
50080800	AUTO BODY REPAIRERS	51012	BODY REPAIRER,AUTOMO
50081000	AUTOMOTIVE MECHANICS		
50081001	AUTOMOTIVE MECHANICS	51008	MECHANIC, AUTOMOTIVE
50081003	AUTO REPAIR SERVICE ES	55A13	AUTOMOBILE REPAIR-S
50081400	DATA PROCESSING MACH MEC	51079	DATA PRCSS MACH REPR
50081600	FARM EQUIPMENT MECHANICS	51025	FARM EQUIPMENT MECHA
50081800	HEAVY EQUIP MECHS,INC DI		
50081801	ELEVATOR INSTALLERS/RE	51081	ELEVTR INSTALLR/REPR
50081803	ENGINEERING EQUIPMT ME	51034	ENG-EQUIPMENT MECH
50081804	HYDROELECTRIC MACHINE	51036	HYDROELECTRIC-MACHIN
50081805	MINE MACHINERY MECHANI	51041	MINE-MACHRY MECHA
50081806	MARINE MECHANICS/REPAI	51042	MARINE MECHANIC AND/
50081807	MAINTENANCE MECHANICS	51043	MECHANIC, MAINTENANC
50081808	POWER TRANSFORMER REPA	51049	POWER-TRANSFORMER RE
50081810	TREATMENT PLANT MECHAN	51058	TREATMENT-PLANT,MECH
50081811	KNITTING MACHINE FIXER	51061	KNITTING-MACH FIXER
50081813	MACHINE ADJUSTERS	51064	MACH ADJUSTER
50081814	SECTION REPAIRERS & SE	51065	SECT REPAIRER & SETR

CONVERSION TABLE: OES SURVEY-BASED MATRIX OCCUPATIONAL CODES AND TITLES TO OES SURVEY OCCUPATIONAL CODES AND TITLES

MATRIX OCCUPATIONS		OES SURVEY OCCUPATIONS	
CODE	TITLE	CODE	TITLE
50082000	HOUSEHOLD APPL MECHS & I		
50082002	ELECTRIC METER INSTALL	51027	ELECTRIC-METER INSTA
50082004	GAS METER INSTALLERS	51030	GAS METER INSTALLER
50082005	GAS & ELEC APPLIANCE R	51080	GAS AND ELECTRIC APP
50082007	HOUSEHOLD APPLIANCE IN	55D73	HOUSEHOLD-APPLIANCE-
50082009	WATER METER INSTALLERS	51078	WATER METER INSTALLE
50082012	HOUSEHOLD APPLIANCE RE	51059	HOUSEHOLD-APPLIANCE
50082200	LOOM FIXERS	51062	LOOM FIXER
50082400	OFF MACH SERVICERS/CASH	51046	OFFICE MACH SERVI
50082600	RADIO & TV SERVICERS & R	51051	RADIO MECHANIC
		51055	TELEVISION SERVICER
50082800	RAILROAD CAR SHOP REPAIR		
50082801	ELECTRIC TRACK SWITCH	55B10	ELECTRIC-TRACK-SWITC
50082802	SIGNAL MAINTAINERS	55C86	SIGNAL MAINTAINER
50082803	CAR REPAIRERS	51066	CAR REPAIRER
50083200	OTH MECHANICS,REPAIRERS,		
50083201	DRAPERY HANGERS	55D72	DRAPERY HANGER
50083202	BICYCLE REPAIRERS	51016	BICYCLE REPAIRER
50083203	CAMERA REPAIRERS	51017	CAMERA REPAIRER AND/
50083204	ELECTRIC MOTOR REPAIRE	51020	ELEC-MOTOR REPAIRER
50083205	ELECTRIC TOOL REPAIRER	51021	ELECTRIC-TOOL REPAIR
50083206	ELECTRICAL INSTRUMENT	51023	ELEC INSTRMNT REPAIR
50083207	GASOLINE ENGINE,MOWER	51031	GASOLINE-ENGINE OR M
50083208	GUNSMITHS	51032	GUNSMITH
50083210	INSTRUMENT REPAIRERS,O	51037	INSTRUMENT RPR, OPTI
50083211	LAUNDRY MACHINE MECHAN	51039	LAUNDRY-MACH MECH
50083212	LOCKSMITHS	51040	LOCKSMITH
50083215	COIN MACHINE SERVICERS	51056	VENDNG MACH SER/REPR
50083218	SEWING MACHINE MECHANI	51070	MECHANIC,SEWING MACH
50083220	PROTECTIVE SIGNAL INST	51004	PROTECTIVE-SIGNAL IN
50083221	INSTRUMENT REPAIRERS	55B62	INSTRUMENT REPAIRER
50083222	DIESEL MECHANICS	51019	DIESEL MECHANIC
50083224	ELECTROMEDICAL EQUIPMT	51024	ELECTROMEDICAL EQUIP
50083225	PINSETTER MECHANICS,AU	51044	PINSETTER MECHANIC,A
50083230	SIGN ERECTORS	55C85	SIGN ERECTOR
50083299	ALL OTHER MECHANICS &	51057	MOTORBOAT MECHANIC
		51077	ELECTRONIC MECHANIC
		51900	ALL OTHR MECH & REPR
50100000	PRINTING TRADE CRAFTS WKR		
50100200	BOOKBINDING OCCUPATIONS		
50100202	SETTERS,BINDERY MACHIN	55T28	SETTER,BINDER MACHS
50100204	BOOKBINDERS,HAND	55T80	BOOKBINDER,HAND
50100205	BOOKBINDERS,MACHINE	55T30	Bookbinder
		55T81	BOOKBINDER, MACHINE
50100206	BINDERY WORKERS,ASSEMB	55T82	BINDER WKR,ASSMBLY
50100207	BINDERY WORKERS,STITCH	55T83	BINDERY WKR,STITCH
50100208	ALL OTHER BINDERY WORK	55T29	BINDERY WORKER
		55T84	ALL OTHER BINDRY WKR
50100400	COMPOSITORS &/OR TYPESET	55A64	CMPSITR &/OR TYPESTR
		55D60	STRIKE-ON-MACH OP
		55T02	COPY CUTTER
		55T03	HAND COMPOSITOR
		55T04	IMPOSER & MAKEUP ARR
		55T05	LINE CAST MACH OP
		55T06	LINECAST MACH KEYB
		55T07	LINECAST MACH TENDER
		55T08	LUDLOW-MACH OP
		55T09	MONOTYPE-CAST MACH O
		55T10	MONOTYPE-KEYBD OP
		55T11	PASTEUP MAN/WOMAN
		55T12	PHOTOTYPSET-MACH KEY
		55T13	PHOTOTYPSET-MACH MON
		55T14	PHOTOTYPSETTER OP
50100600	ELECTROTYPERS,STEREOTYPE		
50100601	ELECTROTYPERS	55T17	ELECTROTYPER
50100602	STEREOTYPERS	55T19	STEREOTYPER
50100800	ENGRAVERS,EXC PHOTOENGRA		
50100803	ETCHERS &/OR ENGRAVERS	55I35	ETCHER &OR ENGRAVER

CONVERSION TABLE: OES SURVEY-BASED MATRIX OCCUPATIONAL CODES AND TITLES TO OES SURVEY OCCUPATIONAL CODES AND TITLES

MATRIX OCCUPATIONS		OES SURVEY OCCUPATIONS	
CODE	TITLE	CODE	TITLE
50101000	PHOTOENGRAVERS,LITHOGRAP		
50101001	STRIPPERS PRINTING	55D58	STRIPPER
50101002	CAMERA OPERATORS,PRINT	55D59	CAMERA OPR,PRINTING
50101003	PHOTOENGRAVERS	55T18	PHOTOENGRAVER
50101200	PRESS & PLATE PRINTERS		
50101201	PRESS OPERATORS,PLATE	55C36	PRESS OPERATOR AND/
50101202	OFFSET LITHOGRAPHIC PR	55D56	OFFST LITHOGRPHC OPR
50101203	PLATEMAKERS	55D57	PLATEMAKER
50101205	FLEXOGRAPHIC PRESS OPE	55T20	FLEXOGRAPHIC PRESS O
50101206	GRAVURE PRESS OPERATOR	55T21	GRAVURE PRESS OP,ROT
50101207	LETTER PRESS OPERATORS	55T23	LETTER PRESS,SHEET,R
50101208	LETTERSET PRESS OPERAT	55T24	LETTERSET PRESS,SHEE
50101209	STEEL DIE PRESS OPERAT	55T26	STEEL DIE PRESS OP
50101210	PROOF PRESS OPERATORS	55T25	PROOF PRESS OPER
50120000	TRANS,PUB UTIL CRAFTS WKR		
50120200	ELEC POWER LINE INST,REP		
50120201	CABLE SPLICERS	55A43	CABLE SPLICER
50120202	LINE INSTALLERS,REPAIR	55B73	LINE INSTALLER-REPAI
50120203	TROUBLE SHOOTERS,POWER	55D31	TROUBLE SHOOTER, POW
50120400	LOCOMOTIVE ENGINEER OCCU		
50120402	YARD ENGINEERS	55S57	YARD ENGINEER
50120403	HOSTLERS	55B53	HOSTLER
50120405	LOCOMOTIVE ENGINEERS	55B79	LOCOMOTIVE ENGINEER
50120600	FIRERS,LOCOMOTIVE	55B24	FIRER, LOCOMOTIVE
50120800	SWITCHBOARD OPS,GENERATI	55C34	POWER REACTOR OPERAT
		55D01	SUBSTATION OPR
		55D03	SWITCHBOARD OPR, G P
		55D95	DISPATCHER, LOAD
50121000	TELEPHONE INSTALLERS,REP		
50121001	INSTALLERS,REPAIRERS,S	55B59	INSTALLER REPAIRER A
50121002	INSTALLERS,REPAIRERS,T	55B60	INSTALLER RPR A, TEL
50121003	STATION INSTALLERS	55C89	STATION INSTALLER
50121004	TELEGRAPH EQUIPMT MAIN	55D11	TELEGRAPH EQUIPMENT
50121005	ELECTRICIANS,OFFICE	55B14	ELECTRICIAN, OFFICE
50121006	AUTOMATIC MAINTAINERS	55A14	AUTOMATIC MAINTAINER
50121007	CABLE REPAIRERS	55A42	CABLE REPAIRER
50121008	CABLE INSTALLERS	55A40	CABLE INSTALLER
50121009	FRAME WIRERS	55B35	FRAME WIRER
50121010	CENTRAL OFFICE REPAIRE	55A55	CENTRAL OFFICE REPAI
50121011	TROUBLE LOCATORS,TEST	55D18	TROUBLE LOCATOR, TES
50121012	TELEGRAPH PLANT MAINTA	55D12	TELEGRAPH PLANT MAIN
50121013	SHOP REPAIRERS,INSTRUM	55C99	SHOP REPAIRER, INSTR
50121014	TELETYPE INSTALLERS	55D15	TELETYPE INSTALLER
50140000	OTHER CRAFTS,KINDRED WORK		
50140200	BAKING OCCUPATIONS		
50140201	FOOD SHAPERS,HAND	55T44	FOOD SHAPER,HAND
50140202	BAKERS	55E36	BAKER
50140205	CAKE DECORATORS	55F38	CAKE DECORATOR
50140400	CABINETMAKERS	55A38	CABINETMAKER
50140600	CARPET CUTTERS,CARPET LA	55A44	CARPET CUTTER AND/O
50140800	CRANE,DERRICK,HOIST OCCU		
50140801	CRANE,DERRICK,& HOIST	55A82	CRNE,DRRCK,&HOIST OP
50140802	LOADER ENGINEERS	55K81	LOADER ENGINEER
50140803	YARDER ENGINEERS	55R51	YARDER ENGINEER
50141000	MERCHAN DISPLAYERS & WIN	55A93	MERCHANDISE DISPLAYE
50141200	DENTAL LAB TECHNICIANS	55C62	DENTAL-LABORATORY TE
50141400	FURNITURE FINISHERS	55D86	FURNITURE FINISHER
50141600	FUR CUTTERS	55J08	FUR CUTTER
50141800	GLAZING OCCUPATIONS		
50141801	GLASS INSTALLERS	55S96	GLASS INSTALLER
50141802	GLAZIERS	55B48	GLAZIER
50142000	INSPECTORS,LOG & LUMBER		
50142001	LOG INSPECTORS,GRADERS	55K85	LOG INSPECTRS,GRADRS
50142002	LUMBER GRADERS	55K90	LUMBER GRADER
50142003	VENEER GRADERS	55R11	VENEER GRADER
50142004	SORTER OPERATORS,GREEN	55T63	SORTER OP,GREEN LMBR

CONVERSION TABLE: OES SURVEY-BASED MATRIX OCCUPATIONAL CODES AND TITLES TO OES SURVEY OCCUPATIONAL CODES AND TITLES

MATRIX OCCUPATIONS		OES SURVEY OCCUPATIONS	
CODE	TITLE	CODE	TITLE
50142200	OTHER INSPECTION OCCUPS		
50142201	FIRE BOSSES	55B23	FIRE BOSS
50142202	INSPECTORS	55B58	INSPECTOR
50142204	SORTERS,SELECTORS,GRAD	55C93	SORTER,TOBACCO
50142205	TESTERS	55Q57	TESTER
50142206	TECHNICAL OPERATORS,OI	55D10	TECHNICAL OPR,
50142208	COATING INSPECTORS,PIP	55C26	COATING INSPECTOR, P
50142209	LINE WALKERS	55B72	LINE WALKER
50142400	JEWELERS & WATCHMAKERS		
50142401	JEWELERS &/OR SILVERSM	55B66	JEWLR &/OR SILVRSMT
50142402	WATCHMAKERS	55D35	WATCHMAKER
50142408	GEM CUTTERS	55J28	GEM CUTTER
50142410	STONE SETTERS	55Q26	STONE SETTER
50142411	GENUINE PEARL WORKERS	55J29	GENUINE PEARL WORKER
50142600	MILLING OCCS,GRAIN,FLOUR		
50142603	MILLERS	55L30	MILLER
50142800	MOTION PICTURE PROJECTIO	55C40	MOTION PICTURE PROJE
50143000	OPTICIANS,LENS GRINDRS,P		
50143001	LENS GRINDERS	55B70	LENS GRINDER
50143002	OPTICIANS,DISP &/OR OP	55D69	OPTICIAN, DISPENSING
50143400	SHIPFITTERS	55P16	SHIPFITTER
50143600	SHOE REPAIRING OCCUPATIO		
50143601	SHOE DYERS	53029	SHOE DYER
50143602	SHOE REPAIRERS	53030	SHOE REPAIRER
50143603	COBBLERS	55G49	COBBLER
50144000	STATIONARY ENGINEERING O		
50144002	CONTROL ROOM OPERATORS	55A75	CONTROL ROOM OPR
50144003	DIESEL PLANT OPERATORS	55A89	DIESEL PLANT OPR
50144004	AUXILIARY EQUIPMENT OP	55B15	
50144006	GAS PUMPING STATION OP	55B47	GAS-PUMPING-STATION
50144007	LIQUEFICATION-REGAS PL	55B77	LIQUEFICATION-AND-RE
50144008	OIL PUMPERS	55C05	OIL PUMPER
50144010	PUMPERS,HEAD	55C43	PUMPER, HEAD
50144013	SEWAGE PLANT OPERATORS	55C71	SEWAGE-PLANT OPR
50144014	STATIONARY ENGINEERS	55C91	STATIONARY ENGINEER
50144015	TURBINE OPERATORS	55D33	TURBINE OPR
50144017	WATERSHED TENDERS	55D42	WATERSHED TNDR
50144019	PUMP STAT OPERATORS,WA	55D44	PUMP STATION OPR
50144021	WASTE TREATMENT PLANT	55S54	WASTE TREAT PLT OP
50144022	DISPATCHERS,REFINERY	55H77	DISPATCHER, REFINERY
50144023	DISPATCHERS,RELAY	55A92	DISPATCHER, RELAY
50144024	STATION ENGINEERS,MAIN	55C42	STATION ENGINEER, MA
50144025	WATER TREATMENT PLANT	55D43	WATER TREAT PLNT OPR
		55T40	WATER TREATMENT PLAN
50144026	SHIP ENGINEERS	55T54	SHIP ENGINEER
50144200	STONE CUTTING & CARVING		
50144202	CONTOUR GRINDERS	55G67	CONTOUR GRINDER
50144203	STONE CARVERS,HAND	55Q19	STONE CARVER, HAND
50144204	STONE CUTTERS,HAND	55Q20	STONE CUTTER, HAND
50144400	TAILORS		
50144401	ALTERATION TAILORS	55D05	ALTERATION TAILOR
50144402	CUSTOM TAILORS	55D32	CUSTOM TAILOR
50144405	SAMPLE MAKERS	55N51	SAMPLE MAKER
50144600	UPHOLSTERING OCCUPATIONS		
50144601	FURNITURE UPHOLSTERERS	55D87	FURNITURE UPHOLSTER
50144602	CUSHION MAKERS	55T85	CUSHION MAKER
50144603	SPRINGERS	55P86	SPRINGER
50144604	UPHOLSTERY TRIMMERS	55R04	UPHOLSTERY TRIMMER
50144605	UPHOLSTERERS	55S36	UPHOLSTERER
50144606	UPHOLSTERY CUTTERS	55S37	UPHOLSTERY CUTTER
50144607	CASKET COVERERS/CASKET	55S63	CASKET COVER/LINR
50144608	MATTRESS MAKERS	55B85	MATTRESS MAKER
50144800	CRAFTS & KINDRED WORKERS,NEC		
50144801	PIPELINERS	55T36	PIPELINER
50144804	HOGSHEAD COOPERS	51071	COOPER,HOGSHEAD
50144805	GLASS BLOWERS	55J31	GLASS BLOWER
50144806	HARNESS MAKERS	55J79	HARNESS MAKER
50144807	LEATHER STAMPERS,HAND	55K69	LEATHER STAMPER,HAND
50144808	MACHINE SETTERS,WOODWO	55K97	MACH-SETTR,WOODWRKG
50144810	SADDLE MAKERS	55N48	SADDLE MAKER

CONVERSION TABLE: OES SURVEY-BASED MATRIX OCCUPATIONAL CODES AND TITLES TO OES SURVEY OCCUPATIONAL CODES AND TITLES

MATRIX OCCUPATIONS		OES SURVEY OCCUPATIONS	
CODE	TITLE	CODE	TITLE
	CRAFTS & KINDRED WORKERS,NEC, CONTINUED		
50144811	INSTRUCTORS,LEATHER/FO	55T77	INSTR,LTHR-FTWR MACH
50144812	SHIP RIGGERS	55D02	SHIPRIGGER
50144813	INSTRUCTORS,BUS &/OR T	55B61	INSTRUCTOR, BUS, AND
50144815	INSTRUCTORS,APPAREL &	55B65	INSTRCTR,APPRL&TEX M
50144817	ARTIFICIAL APPLIANCE M	55S86	ARTIFICIAL-APPL MKR
50144819	MACHINE SETTERS,PAPER	55K98	MA-SETTR,PAPER GDS
50144821	MAINTENANCE REPAIRERS,	55B86	MAINT RPAIR,GEN UTIL
50144822	FORMING MACH MAINTAINE	55I98	FORMING-MA MAINTAINR
50144824	FIELD MECHANICAL METER	55I57	FIELD MECH METER TST
50144825	MOBILE HOME REPAIRERS	55T35	MOBILE HOME REPAIRER
50144826	MUSICAL INSTRUMENTS RE	55C07	MUSICAL INSTRUMENT R
50144899	ALL OTHER SKILLED CRAF	55A72	CONDUIT MECHANIC
		55A80	CORROSION CONTROL FI
		55A83	CRATER
		55B41	GAS-COMPRESSOR OPERA
		55B91	METAL FABRICATOR
		55D98	BELT REPAIRER
		55E13	ALL-AROUND TAILOR
		55I01	DROP-HAMMER OPR
		55R05	UPSETTER
		55S31	FITTER,STRUCTURL MET
		57031	MXR/BLENDER,CHEMICAL
		59001	ALL OTHER SKILLED
60000000	OPERATIVES		
61000000	OPERATIVES,EX TRANSPORTATI		
61020000	SEMISKILLED METALWORKING		
61020200	DRILL PRESS OPERATIVES		
61020201	DRILL PRESS/BORING MAC	55H95	DRILL-PRESS OPERATOR
61020400	FURNACE TNDRS,SMELTERS,P		
61020401	TAPPERS,METAL	55T96	TAPPER, METAL
61020404	CASTERS,FINISHED OR SE	55F76	CASTR,FINISHD PRODCT
61020405	CASTERS,INGOTS & PIGS	55F77	CASTER,INGOTS & PIGS
61020407	STOVE TNDRS &/OR BL FU	55Q99	STOVE/BLAST FURNACE
61020411	SINTER PRESS SETTERS,O	55S99	SINTER PRESS SET/OP
61020430	STEEL POURER HELPERS	55P96	STEEL POURER HELPER
61020435	POURERS,METAL	55C27	POURER, METAL
61020436	FURNACE OPERATORS,CUPO	55S16	FRNCE OP/CUPOLA TNDR
61020438	FURNACE CHARGERS	55S49	FURNACE CHARGER
61020439	HEATING PIT CHARGERS	55S50	HEATING PIT CHRGR
61020600	GRINDING/ABRADING MACH O	55J63	GRINDING MA OP,METAL
61020800	HEATERS,METAL	55B51	HEATER,METAL
61021000	LATHE,MILLING MACH OPERA		
61021001	VENEER LATHE OPERATORS	55R12	VENEER-LATHE OPR
61021002	GLASS-BLOWING LATHE OP	55J32	GLAS-BLOWNG-LATHE OP
61021003	JEWEL-BEARING LATHE OP	55K28	JEWL-BEARNG LATHE OP
61021004	LATHE OPERATORS,GRINDI	55K56	LATHE OP,GRINDNG WHL
61021005	LATHE OPERATORS,WOOD	55K57	LATHE OPR,WOOD
61021006	LATHE MACH OPERATORS,M	55K58	LATHE MA OP,METAL
61021007	MILLING/PLANING MACHIN	55L31	MILLNG/PLANNG MA OP
61021009	SHAPER &/OR ROUTER OPE	55P08	SHAPER AND/OR ROUTER
61021200	METAL PLATERS		
61021201	ELECTROPLATERS	55C29	ELECTROPLATER
61021202	DIP PLATERS,NONELECTRO	55S15	DIP PLATER,NON-ELECT
61021400	OTHER PRECISION MACH OPS		
61021401	BORING MACHINE OPERATO	55E98	BORING-MACH OPERA
61021402	MACHINE TOOL OPERATORS	55L01	MACH TOOL OP,COMBINA
61021403	MACHINE TOOL OPERATORS	55L02	MACH TOOL OP,NUM-CON
61021404	WOOD MACHINISTS	55L34	WOOD MACHINIST
61021405	MACHINE TOOL OPERATORS	55L03	MACH TOOL OP,TOOLRM
61021600	POWER PRESS OPERATIVES		
61021604	POWER PRESS TENDERS	55M51	POWER-PRESS TNDR
61021609	PUNCH PRESS OPERATORS,	55R78	PUNCH-PRESS OP,METAL
61021610	PUNCH PRESS OPERATORS,	55S30	PUNCH PRESS OP,PLAS
61021611	POWER BRAKE,BENDING MA	55S90	PWR BRAKE/BEND MACH
61022000	WELDERS & FLAME CUTTERS		
61022002	WELDERS & FLAMECUTTERS	55D46	WELDERS AND FLAMECUT

CONVERSION TABLE: OES SURVEY-BASED MATRIX OCCUPATIONAL CODES AND TITLES TO OES SURVEY OCCUPATIONAL CODES AND TITLES

MATRIX OCCUPATIONS		OES SURVEY OCCUPATIONS	
CODE	TITLE	CODE	TITLE
61040000	SEMISKILLED TEXTILE OPERA		
61040200	CARDING,LAPPING,COMBING		
61040201	CARD GRINDERS	55F60	CARD GRINDER
61040202	CARD TENDRS,COMBER TEN	55F62	CARD TENDERS
61040203	DRAWING FRAME & GILL B	55F87	DRAWING-FRAME TNDR
61040204	DRAWING-IN MACHINE TEN	55H88	DRAWING-IN-MA TENDER
61040206	PICKER TENDERS	55M15	PICKER TNDR
61040207	SLUBBER TENDERS	55P52	SLUBBER TNDR
61040208	DRAWERS-IN,HAND	55A91	DRAWER-IN, HAND
61040400	KNITTERS,LOOPERS,& TOPPE		
61040402	KNITTERS,FULL FASHIONE	55K45	KNITTR,FULL-FASHIOND
61040403	KNITTING MACHINE OPERA	55K46	KNITTING-MACH OPE
61040405	LINK-&-LINK HAND KNIT	55K77	LINK&LINK KNIT MA OP
61040406	LOOPERS,HOSIERY	55K87	LOOPER,HOSIERY
61040407	SEAMLESS HOSIERY KNITT	55N82	SEAMLS-HOSIERY KNTTR
61040409	WARP KNITTING MACHINE	55R23	WARP-KNITTING MACH
61040600	SPINNERS,TWISTERS,& WIND		
61040601	BEAM WARPER TENDERS &/	55E58	BEAM-WARPER TENDERS
61040604	BOBBIN WINDERS,MACH/SE	55E90	BOBBIN WINDERS, MACH
61040605	CLOTH OR CARPET WINDER	55G38	CLOTH OR CARPT WINDR
61040606	CREELERS,YARN	55G98	CREELER, YARN
61040607	DOFFERS	55H79	DOFFER
61040608	DRESSER TENDERS	55H90	DRESSER TNDR
61040609	LOOM WINDER TENDERS	55K86	LOOM-WINDER TNDR
61040610	QUILLING MACHINE OPERA	55M88	QUILLING-MACH OPR
61040611	SPEEDER TENDERS	55P69	SPEEDER TNDR
61040612	SPINNERS,FRAME	55P74	SPINNER, FRAME
61040613	THREADERS,KNIT GOODS	55Q63	THREADER, KNIT GOODS
61040615	TWISTER TENDERS	55R03	TWISTER TNDR
61040616	WARP TYING MACHINE TEN	55R24	WARP-TYING MACH TNDR
61040617	WINDER OPERATORS,AUTOM	55R38	WINDER OPR, AUT
61040618	YARN WINDERS	55R53	YARN WINDER
61040619	SPOOLER OPERATORS,AUTO	55C88	SPOOLER OP,AUTOMATIC
61040621	ROPE LAYING MACHINE OP	55M91	ROPE LAYING MACH OPR
61040622	BEAMERS,HAND OR MACHIN	55V09	BEAMER, HAND OR MACH
61040800	WEAVING OCCUPATIONS		
61040801	NEEDLE-FELT-MAKING MAC	55L74	NEEDL-FELT-MAK-MA OP
61040802	SMASH HANDS	55P54	SMASH HAND
61040804	WEAVERS	55D48	WEAVER
61041000	OTHER TEXTILE OCCUPATION		
61041001	BACK TENDERS,CLOTH PRI	55E33	BACKTNDR,CLOTH PRINT
61041002	BATTERY LOADERS	55E54	BATTERY LOADER
61041003	BLEACH-RANGE OPS,KNIT	55E81	BLEACH-RANGE OPR
61041004	BOARDING MACH OPERATOR	55E88	BOARDNG-MA OP,HOSERY
61041005	BOIL-OFF MACHINE OPERA	55E92	BOIL-OFF MA OP,CLOTH
61041006	BURLERS	55F30	BURLER
61041007	CALENDERING MACH OPS,K	55F47	CAL-MACH OP,KNIT GDS
61041008	CLOTH FEEDERS &/OR BAC	55G32	CLOTH FEEDERS
61041009	CLOTH FINISHING RANGE	55G33	FINISHING-RANGE TNDR
61041010	CLOTH FINISHING RANGE	55G34	FINISHING-RANGE OPER
61041011	CLOTH PRINTERS	55G35	CLOTH PRINTER
61041012	CLOTH SHRINKING MACH O	55G36	CLOTH-SHRINKNG-MA OP
61041015	HARNESS BUILDERS,LOOM	55J78	HARNESS BUILDERS,LOO
61041016	HARNESS PLACERS	55J80	HARNESS PLACER
61041017	MERCERIZER OPS & MANGL	55L19	MERCERIZER OPRS
61041018	NAPPER TENDERS	55L73	NAPPER TNDR
61041019	OPENER TENDERS/WASTE M	55L87	OPEN/WASTE MACH TNDR
61041021	RUBBER COVERING MACHIN	55N41	RUBBER-COVERING-MACH
61041024	SLASHER TENDERS	55P42	SLASHER TNDR
61041025	TENTER FRAME OPERATORS	55Q56	TENTER-FRAME OPR
61041026	TEXTURIZERS &/OR CRIMP	55R52	TEXTURIZER AND/OR CR
61041027	TURNERS	55S80	TURNER
61041028	FOLDERS,HAND	55S81	FOLDER,HAND
61041029	AUTOCLAVE OPERATORS	55T68	AUTOCLAVE OPERATOR
61041030	DRIER OPERATORS,TEXTIL	55T69	DRIER OP,TEXTILE

CONVERSION TABLE: OES SURVEY-BASED MATRIX OCCUPATIONAL CODES AND TITLES TO OES SURVEY OCCUPATIONAL CODES AND TITLES

MATRIX OCCUPATIONS		OES SURVEY OCCUPATIONS	
CODE	TITLE	CODE	TITLE
61060000	SEMISKLD PACKNG,INSPECTNG		
61060200	CHECKERS,EXAMINERS,ETC,M		
61060207	MAKING MACHINE CATCHER	55L05	MAKING MACH CATCHER
61060209	SELECTORS,GLASSWARE	55N91	SELECTOR, GLASSWARE
61060400	GRADERS & SORTERS,MFG		
61060401	GRADERS,FOOD &/OR SKIN	55T61	GRADER,FOOD/SKINS
61060404	SORTERS,BURNED PRODUCT	55P62	SORTER
61060405	SORTERS,LEATHER	55P63	SORTER, LEATHER
61060406	SORTERS,UPHOLSTERY PAR	55P65	SORTER UPHLSRY PARTS
61060408	CLOTH GRADERS	55S21	CLOTH GRADER
61060800	PACKERS,WRAPPERS,EX MEAT		
61060802	PRODUCTION PACKAGERS	55C39	PRODUCTION PACKAGER
61060803	BUNDLERS	55F29	BUNDLER
61060804	BAGGERS	55D66	BAGGER
61060807	WRAPPING MACHINE OPERA	55R48	WRAPPING-MACH OPE
61080000	OTHER OPERATIVES,EX TRANS		
61080200	ASBESTOS & INSULATION WO	55A08	ASBSTS & INSULAT WKS
61080400	ASSEMBLERS		
61080401	MOBILE HOME SET-UP OPE	55T38	MOBILE HOME SET-UP
61080406	CASE MAKERS	55F68	CASE MAKER
61080409	PLASTIC TOP INSTALLERS	55M29	PLASTIC-TOP INSTLLR
61080410	POWER SCREWDRIVER OPER	55M52	POWER-SCREWDRIVER OP
61080413	SPRING MACHINE OPERATO	55P85	SPRING-MACH OPR
61080415	WIRERS,ELECTRONIC	55R74	WIRER, ELECTRONIC
61080416	COIL FINISHERS	55R86	COIL FINISHER
61080417	ELECTROLYTIC CELL MKRS	55S74	ELECTROLYTIC CELL MA
61080418	CORE LAYERS/SHEET TURN	55S11	CORE LAYER/SHEET TUR
61080419	ASSEMBLERS	55U00	ASSEMBLER
61080421	MACHINE ASSEMBLERS--A	55U11	
61080432	AIRCRAFT,STRUCTURE ASS	55U46	ARCRFT STCTR & ASSEM
61080433	CLOCK,WATCH ASSEMBLERS	55U47	CLOCK,WATCH ASSEMBLE
61080436	MACHINE ASSEMBLERS	55U81	MACHINE ASSEMBLER
61080437	INSTRUMENT MAKERS/ASSE	55U82	INSTRU MAKER/ASSEMBL
61080438	ELEC MECH EQUIPMT ASSE	55U83	ELEC-MECH EQ ASSEMBL
61080439	ELEC & ELECT ASSEMBLER	55U84	ELECTRI/ELECTRO ASSE
61080440	ALL OTHER ASSEMBLERS	55E22 55U99	ASSEMBLER ALL OTHER ASSEMBLERS
61080600	BLASTERS		
61080601	BLASTERS,MINING & QUAR	55A21	BLASTR,MINNG&QUARRYG
61080602	BLASTERS,CONSTRUCTION	55A22	BLASTER,CONSTRUCTION
61080604	PERFORATOR OPERATORS,O	55C19	PERFORATOR OPR, OIL
61080605	SHOOTERS OR SHOOTERS,S	55C82	SHOOTER AND/OR SEIS
61081000	SURVEYOR HELPERS	55D88	SURVEYOR HELPER
61081200	CLOTHING IRONERS & PRESS		
61081201	PRESSERS,HAND	53014	PRESSER, HAND
61081202	PRESSERS,MACHINE	53015	PRESSER,MACHINE
61081203	PRESSERS,MACHINE,LAUND	53016	LAUNDRY PRESSER,MACH
61081205	HAND BLOCKERS,CAPS & H	55J71	HAND BLOCKER HATS
61081207	PLEATING MACHINE OPERA	55M34	PLEATING MACH OPR
61081208	SHAPERS & PRESSERS	55P07	SHAPER AND PRESSER
61081400	CUTTING OPERATIVES,NEC		
61081401	BIAS MACHINE OPERATORS	55E73	BIAS MACH OPR
61081403	CUTTERS,MACHINE	55R94 55T66	CUTTER OPR CUTTER MACHINE
61081404	WOOD CARVING MACHINE O	55F67	WOOD-CARVING-MACH OP
61081405	CHOPPED-STRAND OPERATO	55G23	CHOPPED-STRAND OPERA
61081407	AUTOMATIC CLIPPERS,VEN	55G31	AUTO CLIPPER, VENEER
61081409	CORNER CUTTERS	55G89	CORNER CUTTER
61081410	CORRUGATOR-KNIFE OPERA	55G91	CORRUGATOR-KNIFE OPE
61081412	CUT-OFF MACHINE OPERAT	55H18	CUT-OFF-MA OP,TUBING
61081417	CUTTERS,PORTABLE MACHI	55H25	CUTTER, PORTABLE MAC
61081424	DIE CUTTERS,CLICKING M	55H64	DIE CUTTER
61081425	GLASS CUT-OFF MACHINE	55J34	GLASS-CUT-OFF MA OP
61081426	GLASS CUTTERS,MACHINE	55J35	GLASS CUTTER,MACH
61081430	MORTISING MACHINE OPER	55L66	MORTISING-MACH OP
61081431	PATTERN CUTTERS	55M04	PATTERN CUTTER
61081434	RIP & GROOVE MACHINE O	55N14	RIP-GROOVE MACH OPR
61081435	RUBBER GDS CUTTER-FINI	55N43	RUBBER GDS CTTR FNSH
61081437	SECOND CUTTERS,HAND	55N87	SECOND CUTTER, HAND
61081439	SHEETER OPERATORS,PLAS	55P11	SHEETER OPR PLASTICS

CONVERSION TABLE: OES SURVEY-BASED MATRIX OCCUPATIONAL CODES AND TITLES TO OES SURVEY OCCUPATIONAL CODES AND TITLES

MATRIX OCCUPATIONS		OES SURVEY OCCUPATIONS	
CODE	TITLE	CODE	TITLE
	CUTTING MACHINE OPERATIVES,NEC, CONTINUED		
61081442	SLITTER-CREASER-SLOTTE	55P46	SLITTER-CREASER-SLTR
61081443	SLITTER-SCORER-CUT-OFF	55P47	SLITTER-SCR-CUT-OFF
61081446	SPLITTERS	55P77	SPLITTER
61081447	STAPLE CUTTERS/ST PROC	55P92	STAPLE CTTR/PRCS OPR
61081452	TENONER OPERATORS	55Q54	TENONER OPR
61081458	TRIMMERS,PLASTICS	55Q79	TRIMMER, PLASTICS
61081459	SHEAR &/OR SLITTER OPE	55R80	SHEAR/SLITTER OP,MET
61081461	VENEER JOINTER OPERATO	55R97	VENEER JOINTER OPER
61081462	CUTTING MACHINE OPERAT	55S22	CUTTNG MACH OP FOOD
61081464	PLANER OPERATORS	55S92	PLANER OPERATOR
61081600	SEWERS,CUSTOM	55C65	SEWER, CUSTOM
61081800	DRILLERS,EARTH		
61081801	AUGER MACHINE OPERATOR	55A12	AUGER-MACH OPERAT
61081802	CABLE DRILLERS	55A39	CABLE DRILLER
61081803	DRILLERS,HAND	55B03	DRILLER, HAND
61081804	DRILLERS,MACHINE	55B04	DRILLER, MACH
61081805	HYDRAULIC OPERATORS	55B55	HYDRAULIC OPR
61081808	ROTARY DRILL OPERATORS	55C59	ROTARY DRILL OPR
61081809	ROTARY DRILL OPER HELP	55C60	ROTARY-DRILL OP HEL
61082000	DRY WALL INSTALLERS,LATH		
61082001	DRY WALL APPLICATORS	55B05	DRY-WALL APPLICATOR
61082002	LATHERS	55B69	LATHER
61082003	TAPERS	55D07	TAPER
61082200	DYERS		
61082201	AGER OPERATORS	55E07	AGER OPR
61082202	BEAM DYER OPS,PKG DYE	55E57	BEAM-DYER OPRS
61082204	DYE RANGE OPS/SP DYE B	55I11	DYE-RANGE OPERATOR
61082205	DYE REEL OPS,JIGGRS,PA	55I12	DYE-REEL OPERATOR
61082207	DYE TUB OPS,RANDOM DYE	55I14	DYE-TUB OPERATOR
61082209	SKEIN YARN DYERS	55P35	SKEIN-YARN DYER
61082400	FILERS,POLISHRS,SANDRS,B		
61082401	FILERS,GRINDERS,BUFFER	55B19	FILERS,GRINDERS,ETC.
61082402	SANDBLASTERS/SHOTBLAST	55C64	SAND &/OR SHOTBLASTR
61082403	DIE POLISHERS,WIRE &/O	55H68	DIE POLISHER
61082405	GL GRINDERS/WATCH CRYS	55J37	GLASS GRINDER
61082406	HAND EDGERS/BELT SEAME	55J73	HAND EDGR/BELT SEAMR
61082407	PLANERS,STONE	55M26	PLANER,STONE
61082408	POLISHERS,GLASS &/OR B	55M38	POLISHER GLSS/BLKR
61082410	SANDERS,WOOD	55N60	SANDER WOOD
61082412	STONE CUTTERS,MACHINE	55Q21	STONE CUTTER, MACHIN
61082413	STONE POLISHERS	55Q25	STONE POLISHER
61082415	VENEER SANDERS	55R14	VENEER SANDER
61082600	GARAGE WORKERS,GAS STAT		
61082603	MARINE SERVICE STAT AT	55B89	MARINE-SERVICE-STATI
61082604	TRAILER RENTAL ATTENDA	55D28	TRAILER-RENTAL ATTEN
61082605	FUEL PUMP ATTENDANTS,L	55D67	SERV STA ATTENDANT
61082606	TIRE CHANGERS	55D68	TIRE CHANGER
61082607	TIRE REPAIRERS	55Q73	TIRE REPAIRER
61082800	LAUNDRY,DRYCLEANING OPS,		
61082801	MARKERS,CLASSIFIERS,AS	53001	MARKER,CLASSIFIER,WE
61082802	SPOTTERS,DRYCLEANING	53002	SPOTTER, DRY CLEANIN
61082803	SPOTTERS,WASHABLE MATE	53003	SPOTTER, WASHABLE MA
61082804	WASHERS,MACH &/OR STAR	53004	WASHER, MACH AND/
61082805	TUMBLER OPERATORS	53005	TUMBLER OPR
61082806	DRYCLEANING MACHINE OP	53006	DRY-CLEANING-MACH
61082807	DRYCLEANERS,HAND	53008	DRY CLEANER, HAND
61082809	LAUNDRY OPERATORS,SM E	53011	LAUNDRY OPR,SMA
61082810	FUR CLEANERS	53017	FUR CLEANER
61082811	FUR GLAZING & POLISHIN	53019	FUR-GLAZING-AND-POLI
61082812	RUG CLEANERS,HAND	53021	RUG CLEANER, HAND
61082813	RUG CLEANERS,MACHINE	53022	RUG CLEANER, MACH
61082818	FOLDERS,LAUNDRY	55B30	FOLDER, LAUNDRY
61082820	WASHERS,SYNTHETIC FIBE	55R27	WASHER, SYNTHETIC FI
61083200	MEAT CUTTERS,BUTCHERS		
61083201	BONERS,MEAT	55E95	BONER, MEAT
61083202	BONERS,POULTRY	55E96	BONER,POULTRY
61083204	BUTCHERS,ALL-AROUND	55F34	BUTCHER, ALL-AROUND
61083205	CARCASS SPLITTERS	55F58	CARCASS SPLITTER
61083207	FISH CLEANERS,HAND/BUT	55S35	FISH CLEANR/BUTCHER

CONVERSION TABLE: OES SURVEY-BASED MATRIX OCCUPATIONAL CODES AND TITLES TO OES SURVEY OCCUPATIONAL CODES AND TITLES

MATRIX OCCUPATIONS		OES SURVEY OCCUPATIONS	
CODE	TITLE	CODE	TITLE
61083400	MILLINERS	55L32	MILLINER
61083600	MINE OPERATIVES,NEC		
61083602	HEADERS,BOTTOMERS,CAR	55A26	HEADER,BOTTOMER,CAR
61083604	BRATTICE BUILDERS	55A30	BRATTICE BUILDER
61083606	CASERS	55A48	CASER
61083607	CEMENTERS,OIL WELL	55A54	CEMENTER, OIL WELL
61083609	CLEAN OUT DRILLERS	55A60	CLEAN-OUT DRILLER
61083610	COAL WASHERS	55A62	COAL WASHER
61083612	CONTINUOUS MINING MACH	55A74	CONTINUOUS-MINING-MA
61083615	CUTTING MACHINE OPERAT	55A86	CUTTING MACH OPER
61083616	DERRICK OPERATORS,PETR	55A88	DERRICK OPR, PETROL
61083618	DRIER OPERATORS,COAL O	55B02	DRIER OPR, COAL OR
61083620	GAGERS	55B39	GAGER
61083621	LAMP KEEPERS,REPAIRERS	55B68	LAMP KEEPER/REPAIRER
61083622	LOADING MACHINE OPERAT	55B78	LOADING-MACH OPER, U
61083623	LONG-WALL MINER OPERAT	55B80	LONG-WALL MINER OPER
61083624	LONG-WALL MINER OPER H	55B81	LONG-WALL MINER OP H
61083626	MUD PLANT OPERATORS	55C02	MUD-PLANT OPR
61083627	ROCK SPLITTERS,QUARRY	55C47	ROCK SPLITTER, QUARR
61083628	RIG BUILDERS	55C53	RIG-BUILDER
61083629	ROUSTABOUTS	55C61	ROUSTABOUT
61083632	SERVICE UNIT OPERATORS	55C69	SERVICE UNIT OPR
61083633	OIL WELL WALL SAMPLERS	55C70	OIL WELL WALL SAMPLE
61083634	SHAKER TENDERS	55C80	SHAKER TNDR
61083635	SHUTTLE CAR OPERATORS	55C83	SHUTTLE-CAR OPR
61083637	TIPPLE OPERATORS	55D21	TIPPLE-OPR
61083639	WELL PULLERS	55D47	WELL PULLER
61083643	PANELBD OPERATORS,GRIN	55C20	PANELBOARD OPR
61083644	ROCK-DUST SPRAYERS	55C56	ROCK-DUST SPRAYER
61083645	SEPARATION TENDERS	55R62	SEPARATOR TNDR
61083646	MILL &/OR GRINDER OPS,	55S98	MILL/GRIND OP,MINERL
61083800	MIXING OPERATIVES		
61083802	REAGENT OPERATORS	55C50	REAGENT TENDER
61083804	ASPHALT BLENDERS	55E17	ASPHALT BLENDER
61083805	ASPHALT MIXERING MACH	55E18	ASPHLT-MIX-MACH TNDR
61083806	ASPHALT-PLANT OPERATOR	55E20	ASPHALT-PLANT OPER
61083817	COATING MIXER TENDERS	55G48	COATING MIXER TNDR
61083818	COMPOUNDERS	55G58	COMPOUNDER
61083831	MIXER OPERATORS,HOT ME	55L45	MIXER OP,HOT METAL
61083835	ROOF CEMENT & PAINT MA	55N34	ROOF-CMNT MAKER
61083840	SEASONING MIXERS	55N86	SEASONING MIXER
61083845	CLAY MAKERS	57006	CLAY MAKER
61083852	TINTERS	57030	TINTER
61083854	MIXERS,STONE,CLAY,GLAS	55S04	MXR,STN,CLAY,GLASS
61083856	MIXERS,FOOD & TOBACCO	55B93	MIXER
61083857	MIXERS,ORE & METALS	55S48	MIXER,ORE & MTLS
61084000	OILERS	55C06	OILER
61084200	PAINTERS,MFG ARTICLES		
61084201	PAINTERS,AUTOMOTIVE	55C11	PAINTER, AUTOMOTIVE
61084202	DECORATORS,HAND	55V04	DECORATOR,HAND
61084208	RUBBERS	55N39	RUBBER
61084210	PAINTERS,PRODUCTION	55R68	PAINTER PRODUCTION
61084211	PAINTERS,AIRCRAFT	55T37	PAINTER, AIRCRAFT
61084400	OTHER PHOTO PROCESS WORK	52001	DEVELOPING-MACH OP
		52002	DVLPR &OR PROJ PRNTR
		52004	NEGATIVE CUTTER AND/
		52005	MULTIPLE-PHOTOGRAPHI
		52006	PRINT DEVELOPER, MAC
		52007	PHOTO CHECKER AND AS
		52008	PHOTOGRAPHER HELPER
		52009	COPY CAMERA OPR
		52011	FILM PRINTER,MOTION
		52900	ALL OTHER DARKROOM W
		55A33	BLUEPRINTING MACH
		55B06	DUBBING MACH OPER
		55C09	PHOTOGRAPH RETOUCHER
		55T16	RETOUCHER
		55T45	FILM VIEWER

CONVERSION TABLE: OES SURVEY-BASED MATRIX OCCUPATIONAL CODES AND TITLES TO OES SURVEY OCCUPATIONAL CODES AND TITLES

MATRIX OCCUPATIONS		OES SURVEY OCCUPATIONS	
CODE	TITLE	CODE	TITLE
61084600	RIVETERS & FASTENERS		
61084602	NAILING MACHINE OPERAT	55L71	NAILING-MACH OPER
61084603	STAPLERS,MATTRESS & BE	55P93	STAPLER MATTRES/BDSP
61084604	STAPLING MACHINE OPERA	55P94	STAPLING-MACH OPR
61084605	RIVETERS,HEAVY	55R76	RIVETER,HEAVY
61084606	RIVETERS,LIGHT	55R77	RIVETER,LIGHT
61084800	SAILORS & DECKHANDS		
61084801	BOATSWAINS	55T50	BOATSWAIN
61084802	ABLE SEAMEN	55T51	ABLE SEAMAN
61084803	ORDINARY SEAMEN	55T52	ORDINARY SEAMAN
61085000	SAWYERS		
61085001	BAND SCROLL SAW OPERAT	55E46	BAND-SCROLL SAW OPER
61085003	CUT-OFF SAW OPERATORS,	55H19	CUT-OFF-SAW OP,LUMBR
61085004	CUT-OFF SAWYERS,LOG	55H20	CUT-OFF SAWYER, LOG
61085005	EDGERS,AUTOMATIC &/OR	55I18	EDGER,AUTO&OR PONY
61085006	GANG SAWYERS	55J22	GANG SAWYER
61085007	SAWYERS,TAIL	55T64	SAWYER,TAIL
61085008	HEAD SAWYERS	55J83	HEAD SAWYER
61085011	RESAWYERS	55N07	RESAWYER
61085012	RIPSAW OPERATORS	55N15	RIPSAW OPR
61085013	SAWYERS,METAL	55N64	SAWYER, METAL
61085014	SAWYERS,STONE	55N65	SAWYER, STONE
61085015	SAWYERS,PLASTICS	55N66	SAWYER, PLASTICS
61085017	TRIM SAW OPERATORS	55Q88	TRIM SAW OPR
61085200	SEWERS & STITCHERS		
61085204	MENDERS	55B96	MENDER
61085205	SEWING MACH OPS,REG EQ	55C78	SEW MA OP,REG EQ-NON
61085206	BAG SEWERS	55E35	BAG SEWER
61085208	CAP MAKERS	55F51	CAP MAKER
61085211	FUR FINISHERS	55J09	FUR FINISHER
61085212	GARMENT REPAIRERS	55J24	GARMENT REPAIRER
61085214	MENDERS,CLOTH	55L18	MENDER, CLOTH
61085215	SEWING MACH OPS,SPEC E	55C79	OP,SPECL EQP-NONGRMT
61085217	SHOE PARTS SEWERS,HAND	55P01	SHOE PARTS SEWER, HA
61085219	SEWING MACH OPS,SPEC E	55C77	SEWING MACH OPERA
61085220	SEWING MACH OPS,REG EQ	55C76	SEW MC OP,REG EQP-GR
61085400	SHOEMAKING MACHINE OPS		
61085401	ASSEMBLERS FOR PULLER-	55E25	ASSM FOR PULLR-OVER
61085402	BED LASTERS	55E63	BED LASTER
61085403	BOTTOM FILLERS	55F03	BOTTOM FILLER
61085404	BUFFERS,SHOE PARTS	55F24	BUFFER,SHOE PARTS
61085405	CEMENTERS,MACHINE JOIN	55F91	CEMENTER,MACH JOINER
61085407	PERFORATOR OPERATORS	55G16	PERFORATOR OPR
61085409	FOLDERS,MACHINE	55I89	FOLDER, MACH
61085410	HEEL ATTACHERS	55J89	HEEL ATTACHER
61085412	HEEL BUILDERS,HAND OR	55J91	HEEL BUILDR,HAND/MAC
61085413	HEEL-SEAT LASTERS,MACH	55J92	HEEL-SEAT LASTER,MAC
61085415	HEEL-SEAT FITTERS,MACH	55J94	HEEL SEAT FITTER,MAC
61085416	INKERS,HAND OR MACHINE	55K18	INKER,HAND OR MACHIN
61085419	LASTING MACHINE OPERAT	55K55	LASTING-MACH OPER
61085421	PULLERS-OVER	55M70	PULLER-OVER
61085422	REPAIRERS,SHOE FINISH	55N05	REPAIRER, FINISH
61085423	ROUGH ROUNDERS,MACHINE	55N37	ROUGH ROUNDER MACH
61085424	SEAM RUBBING MACHINE O	55N81	SEAM-RUBBING MACH OP
61085428	SOLE LEVELERS,MACHINE	55P61	SOLE LEVELER MACH
61085430	STITCHERS,SPECIAL MACH	55Q15	STITCHER SPECIAL MAC
61085431	STITCHERS,STANDARD MAC	55Q16	STITCHER STNDRD MACH
61085432	STITCHERS,UTILITY	55Q17	STITCHER, UTILITY
61085433	THERMALASTING MACHINE	55Q58	THERMALSTNG MACH OPR
61085439	TRIMMERS,MACHINE	55D94	TRIMMER, MACH
61085440	VAMP CREASERS	55S66	VAMP CREASER
61085441	SPLITTERS,MACHINE	55S67	SPLITTER, MACHINE
61085442	FASTENERS,MACHINE	55S68	FASTENER,MACHINE
61085443	CEMENTERS,PASTERS,BACK	55S69	CEMENTER,PSTR,BKR,
61085444	MOLDERS,SHOE PARTS	55S71	MOLDER,SHOE PARTS
61085445	PULLING & LASTING MACH	55S73	PULLNG & LASTNG MACH

CONVERSION TABLE: OES SURVEY-BASED MATRIX OCCUPATIONAL CODES AND TITLES TO OES SURVEY OCCUPATIONAL CODES AND TITLES

MATRIX OCCUPATIONS CODE	 TITLE	OES SURVEY OCCUPATIONS CODE	 TITLE
61085600	FURNACE TNDRS,STOKRS,EX		
61085602	STATIONARY BOILER FIRE	55C90	STATNARY BOILR FIRER
61085606	FIRERS,PETROLEUM REFIN	55I72	FIRER,PETRO REFINING
61085611	FURNACE COMBUSTION ANA	55J12	FURNACE COMBUST ANAL
61085612	FURNACE &/OR BURNER TE	55J17	FURNACE/BURNER TENDR
61085614	KILN OPERATORS,LUMBER	55K41	KILN OP,LUMBER
61085618	FIRERS,MARINE	55B25	FIRER, MARINE
61085619	FURNACE,KILN,DRIER OPS	55V11	FURNACE, KILN, DRIER
61085800	WINDING OPERATIVES,NEC		
61085801	CONVOLUTE OR SPIRAL TU	55G71	CONVOLUTE-TUBE WINDR
61085803	MILL ROLL REWINDERS,CE	55L28	MILL ROLL RWNDR,CELL
61085804	PAPER REEL OPS,REWINDE	55L97	PAPR-REEL/RWINDR OP
61085805	WINDERS,ROOFING FELT	55T88	WINDER,ROOFING FELT
61085808	WINDERS,PAPER MACHINE	55R37	WINDER, PAPER MACHIN
61085810	COIL WINDERS	55R82	COIL WINDER
61085811	AUTOMAT SPRING COILING	55A01	AUTO SPRNG COIL MACH
61086000	MISC MACH OPS,MEAT & DAI		
61086001	PICKLERS,FOOD	55T58	PICKLER,FOOD
61086003	PRESS OPERATORS,MEAT	55M62	PRESS OPR, MEAT
61086004	PUMPERS,MEAT	55M77	PUMPER
61086007	SKIN PEELING MACHINE O	55P37	SKIN PEELING MACH OP
61086011	DRY CURERS	55I04	DRY CURER
61086012	CASING FINISHERS &/OR	55F70	CASING FINISHER
61086019	NOVELTY WORKERS	55L82	NOVELTY WORKER
61086021	FLAVOR ROOM WORKERS,FR	55I83	FLAVOR ROOM WORKER
61086024	BUTTERMAKERS	55F35	BUTTERMAKER
61086026	DAIRY PROCESSING EQMT	55H35	DAIRY PROCESS EQU OP
61086029	CHEESEMAKERS	55G07	CHEESEMAKER
61086033	MEAT GRINDERS	55L16	MEAT GRINDER
61086035	COOKS &/OR COOKERS	55A79	COOK AND/OR COOKER
61086200	MISC MACH OPS,ALL OTH FO		
61086201	DEPOSITORS,FOOD	55T57	DEPOSITOR,FOOD
61086204	RETORT OPERATORS	55N08	RETORT OPR
61086206	SHELLFISH PROCESSING M	55P14	SHELLFISH PROC MA TN
61086207	WASHERS &/OR SEPARATOR	55T60	WASHER/SEPARATOR FOO
61086213	BLANCHING MACHINE OPER	55E77	BLANCHING MACH OP
61086215	ICEMAKERS	55K13	ICEMAKER
61086221	PASTEURIZERS,MARGARINE	55M02	PASTEURIZER,MARGARIN
61086223	PRESSERS,EXPELLER OPER	55M57	PRESSR EXPLLR OPR
61086224	REFINERY OPERATORS	55N02	REFINERY OPR
61086227	ROLLING MACHINE OPERAT	55N31	ROLLING-MACH OPER
61086229	SPINNERS,CONFECTION	55P73	SPINNER, CONFECTION
61086230	SUGAR BOILERS	55Q38	SUGAR BOILER
61086236	FEED PELLET MILL OPERA	55I53	FEED PELLET MILL OPE
61086241	GRAIN RECEIVERS	55J49	GRAIN RECEIVER
61086245	CANDY MAKERS	55F48	CANDY MAKER
61086258	DOUGHNUT MAKRS/DOUGHNU	55H82	DOUGHNUT MAKER/MA O
61086259	DIVIDING MACH OPERATOR	55H78	DIVIDING-MACH OPE
61086264	LOADERS,MALT HOUSE	55K82	LOADER,MALT HOUSE
61086265	DYE TANK TENDERS,ETC	55I13	DYE-TANK TENDER
61086277	BARLEY STEEPERS,MALT H	55E47	BARLEY STEEPER
61086282	CARBONATION EQPMT TEND	55F56	CRBONATN EQ TEN,BEER
61086283	COOLING MACHINE OPERAT	55G81	COOLING-MACH OPER
61086289	LINTER MACHINE TENDERS	55S26	LINTER MACH TEND
61086290	FERMENTATION OPERATORS	55S43	FERMENTATION OPER
61086291	STILL OPERATORS	55S45	STILL OPERATOR
61086292	OVEN OPERATORS	55C10	OVEN OPR
61086295	DRIER OPERATORS	55D91	DRIER OPR
61086400	MISC MACH OPS,TOBACCO		
61086403	STEMMERS,MACHINE	55Q01	STEMMER, MACH
61086406	WRAPPER LAYERS	55R47	WRAPPER LAYER
61086408	BUNCH MAKERS,MACHINE	55F28	BUNCH MAKER,MACH
61086410	CASING MACHINE OPERATO	55F71	CASING MACH OPERA
61086413	CIGARETTE-MAKING MACHI	55G25	CGARETTE MAKNG MA OP
61086414	CIGARETTE FILTER MAKIN	55G24	CIGARETTE FILR MA OP

CONVERSION TABLE: OES SURVEY-BASED MATRIX OCCUPATIONAL CODES AND TITLES TO OES SURVEY OCCUPATIONAL CODES AND TITLES

MATRIX OCCUPATIONS		OES SURVEY OCCUPATIONS	
CODE	TITLE	CODE	TITLE
61086600	MISC MACH OPS,TEXTILE MI		
61086601	LAMINATING MACHINE OPE	55K51	LAMINATING-MACH OP
61086604	CALENDER OPERATORS,CLO	55F44	CALNDR OP,CLOTH PRES
61086607	BLENDING MACHINE OPERA	55E84	BLENDING-MACH OPE
61086608	COATING MACHINE OPERAT	55G46	COATING MACH OPER
61086609	CLOTH TRIMMERS,MACHINE	55G37	CLOTH TRIMMERS, MACH
61086613	ENDING MACHINE OPERATO	55I29	ENDING-MACH OPERA
61086614	FUSING MACHINE OPERATO	55J20	FUSING MACH OPERA
61086618	FOLDING MACHINE OPERAT	55S82	FOLDING MACH OPER
61086800	MISC MACH OPS,LUMBER PRO		
61086803	TREATING ENGINEERS	55Q83	TREATING ENGINEER
61086804	VENEER DRIERS	55R10	VENEER DRIER
61086805	VENEER REPAIRERS,MACHI	55R13	VENEER REPR MACH
61086806	HOT PLATE PLYWOOD PRES	55K05	HOT-PLATE PRESS OP
61086807	EDGE GLUERS	55I17	EDGE GLUER
61086808	POWER BARKER OPERATORS	55E38	POWER-BARKER OPR
61086809	DOWEL MACHINE OPERATOR	55H83	DOWEL MACH OPERAT
61086812	DADO OPERATORS	55H34	DADO OPR
61086814	HYDRAULIC PRESS OPERAT	55K10	HYDRAULIC PRS OP, VE
61086815	GLUING MACHINE OPERATO	55J46	GLUING-MACH OPERA
61086817	CORE FEEDERS	55S10	CORE FEEDER
61086818	WOODWORKING MACHINE OP	55R43	WOODWORKING-MACH
61086819	LAMINATING MACH OPERAT	55B67	LAMINTNG-MCH OP,FURN
61087000	MISC MACH OPS,PAPER,ALLI		
61087005	PULP REFINER OPERATORS	55M73	PULP-REFINER OPR
61087006	PULPERS	55M74	PULPER
61087007	RECOVERY OPERATORS,PAP	55M94	RECOVERY OPR PAPER
61087008	SUPERCALENDER OPERATOR	55Q40	SUPERCALENDER OPR
61087009	WET MACHINE TENDERS	55R35	WET-MACH TNDR
61087011	EVAPORATOR OPERATORS,P	55I36	EVAPORATR OP, PAPER
61087012	WOOD GRINDER OPERATORS	55J62	WOOD GRINDER OPR
61087014	FOURDRINIER MACHINE TE	55J02	FOURDRINIER-MA TENDR
61087015	BACK TENDERS	55E32	BACK TNDR
61087018	BEATERS	55E62	BEATER
61087019	BEATER ENGINEERS	55E61	BEATER ENGINEER
61087020	BLEACHER OPERATORS,PUL	55E60	BLEACHER OPER, PULP
61087021	DIGESTER OPERATORS	55H72	DIGESTER OPR
61087022	CYLINDER MACHINE TENDE	55H32	CYLINDER-MACH TEN
61087023	COATER OPERATORS,OFF-M	55G43	COATR OP,OFF-MACHINE
61087028	ENVELOPE FINISHING MAC	55K95	ENVELOP-FINISH-MA OP
61087030	PANEL/PATCH/SEALING MA	55L95	PANEL-MACH OPERAT
61087031	PAPER CUP MACHINE OPER	55L96	PAPER-CUP-MACH OP
61087032	PRINTER-SLOTTER OPERAT	55M64	PRINTER-SLOTTER OPER
61087035	SCORERS	55N70	SCORER
61087038	TAPING MACHINE OPERATO	55Q51	TAPING MACH OPR
61087039	TUBE MACHINE OPERATORS	55Q91	TUBE MACH OPR BAGS
61087041	WAXING MACHINE OPERATO	55R31	WAXING MACH OPR
61087043	FLEXO-FOLDER-GLUER OPE	55I84	FLEXO-FOLDR-GLUER OP
61087045	ENVELOPE MACHINE OPERA	55I34	ENVELOPE MACH OPER
61087047	FOUR-CORNERS-STAYER MA	55J01	FOUR-CNR-STAYR-MA OP
61087048	FOLDING MACHINE OPERAT	55I93	FOLDING-MA OP,PAPER
61087050	FOLDING MACHINE FEEDER	55I90	FOLDING-MACH FEEDER
61087051	BAG MACHINE OPERATORS	55E34	BAG-MACH OPR
61087052	AUTOMATIC ASSEMBLY MAC	55E31	AUTO-ASSB-MACH ATTN
61087053	BOTTOMING MACHINE OPER	55F05	BOTTOMING-MACH OP
61087054	BOX MAKERS,PAPERBOARD	55F06	BOX MAKER,PAPERBOARD
61087056	CUTTING & CREASING PRE	55H28	CUT&CREASING PRES OP
61087059	CARTON-FORMING MACH OP	55F66	CARTN-FORMNG-MACH OP
61087060	CORRUGATOR OPERATORS	55G92	CORRUGATOR OPR
61087063	SCRAPPERS/STRIPPERS	55C68	SCRAPPR &/OR STRIPPR
61087064	BROWN STOCK WASHERS,BL	55R93	BN-STK WSR/BLW PT OP
61087065	FOURTH/FIFTH HANDS,PAP	55R95	FOURTH /5TH HAND P
61087070	SLOTTER OPERATORS	55P51	SLOTTER OPK

CONVERSION TABLE: OES SURVEY-BASED MATRIX OCCUPATIONAL CODES AND TITLES TO OES SURVEY OCCUPATIONAL CODES AND TITLES

MATRIX OCCUPATIONS		OES SURVEY OCCUPATIONS	
CODE	TITLE	CODE	TITLE
61087200	MISC MACH OPS,CHEM,ALLIE		
61087207	PULVERIZER & DRIER TEN	57011	PULVERIZER/DRIER TND
61087213	CALCINER OPERATORS	55F40	CALCINER OPR
61087225	SPINNERS,SYNTHETIC FIL	55P72	SPINNER SYNTH FILAMT
61087235	DRAW MACHINE OPERATORS	55H86	DRAW MACH OPR
61087241	CASTING RM OPERATORS,C	55F79	CASTING RM OP,CELLOP
61087243	BATH MAKERS	55G90	BATH MAKER
61087246	KETTLE WORKERS,SOAP	55K35	KETTLE WORKER, SOAP
61087254	EVAPORATOR OPERATORS,C	55I39	EVAPORATR OP,CHEM
61087257	KETTLE OPERATORS,ADHES	55K34	KETTLE OP,ADHESIVE
61087260	POWDER CUTTING OPERATO	55M49	POWDER CUTTG/BEAT OP
61087261	PROCESSORS,SOLID PROPE	55M68	PROCESSOR, SOLID PRO
61087264	VARNISH MAKERS	55R09	VARNISH MAKER
61087270	DYNAMITE CARTRIDGE CRI	55I16	DYNA CARTRIDG CRIMPR
61087272	GRAINING PRESS OPERATO	55J51	GRAINING PRESS OPERA
61087273	GLUEMAKERS	55J43	GLUEMAKER
61087275	CARBON BLACK MAKERS	55F53	CARBON BLACK MAKER
61087283	AMPULE FILL,SEAL,WASH	55E15	AMPULE FILL, SEAL OP
61087284	COMPRESSORS,TABLET	55G60	COMPRESSOR, TABLET
61087285	COATERS,PILL	55G39	COATER, PILL
61087287	STILL OPERATORS,BATCH	55Q11	STILL OPR BATCH
61087288	CHEMICAL OPERATOR HELP	55G17	CHEMICAL OPER HELPER
61087290	CHEMICAL OPERATORS A	55G14	CHEMICAL OPR A
61087291	CHEMICAL OPERATORS B	55G15	CHEMICAL OPR B
61087292	MOLDERS,MACHINE(DRUGS)	55L64	MOLDER,MACH
61087294	DRIER OPERATORS,CHEM,P	55S38	DRIER OP,CHEM,PLSTC
61087295	CHIEF OPERATORS	55S53	CHIEF OPERATOR
61087400	MISC MACH OPS,PETROL,COA		
61087403	STILL OPERATORS,ASPHAL	55Q10	STILL OPR ASPHALT
61087406	GREASEMAKERS	55J56	GREASEMAKER
61087408	ASPHALT-PLANT DRIER OP	55E19	ASPHLT-PLNT DRIER OP
61087409	CONTROL PANEL OPERATOR	55G68	CONTRL PANL OP,PETRO
61087600	MISC MACH OPS,RUBBER,PLA		
61087601	LEAD PRESS OPERATORS	55K64	LEAD PRESS OPR
61087602	LEAD STRIPPING MACHINE	55K65	LEAD STRIPPNG MA OP
61087603	RUBBER MILL OPERATORS	55L33	RUBBER-MILL OPR
61087605	PRESS OPS,DEVULCANIZED	55M56	PRESS OPR DEV SRP R
61087606	REFINER OPERATORS,RUBB	55N01	REFINER OPR RUBBER
61087607	ROLLER BUILDERS,RUBBER	55N21	ROLLER BLDR RUBBER
61087608	HEAT SEALERS	55T94	HEAT SEALER
61087609	RUBBER GRINDER-FINISHE	55N44	RUBBER GRNDR FINSHR
61087611	SPLICERS	55P76	SPLICER
61087612	SPLITTING MACHINE TEND	55P79	SPLITTING-MACH TENDR
61087613	TIRE BAGGING MACHINE T	55Q69	TIRE BAGGING MACH TN
61087614	TIRE BUILDERS	55Q70	TIRE BUILDER
61087615	SPLICERS,RUBBER PRODUC	55Q92	SPLICER
61087617	WATCHCASE VULCANIZER T	55R28	WATCHCASE VULCANIZER
61087618	PRESS TENDERS,RUBBER G	55R57	PRESS TNDR, RUBBER
61087621	BRAIDING MACH TENDERS	55F10	BRAIDING MACH TENDER
61087623	EXTRUDER OPS,RUBBER OR	55T91	EXTRUDR OP, PLASTIC
61087624	EXTRUDER OP HELPERS,RU	55T92	EXTRUDR OP HELPER
61087625	BAND BUILDERS	55E42	BAND BUILDER
61087626	BEAD FORMING MACH OPER	55E56	BEAD FORMING MACH OP
61087627	BEAD FLIPPERS	55E55	BEAD FLIPPER
61087628	BELT BUILDERS	55E66	BELT BUILDER
61087629	DIPPING MACHINE OPERAT	55H76	DIPPING MACH OPER
61087631	BLOW MOLDING MACHINE O	58002	BLOW-MOLDING MACH OP
61087633	CALENDER OPS,RUBBER OR	55T90	CALENDER OP,PLASTIC
61087635	ROTATION MOLDING MACH	58011	ROTATION MOLDNG MACH
61087637	VACUUM PLASTIC FORMING	58014	VACUUM PLSTC FORM MA
61087639	FINISHERS,MACHINE	55I70	FINISHER, MACH
61087640	PILLING MACHINE OPERAT	55I59	PILLING MACH OPER
61087645	COMPR &/OR INJECT MOLD	55R85	COMPRESS/INJECT MOLD
61087647	AUTOMATIC RUBBR HOSE V	55S39	AUTO RBBR HOSE VULC

CONVERSION TABLE: OES SURVEY-BASED MATRIX OCCUPATIONAL CODES AND TITLES TO OES SURVEY OCCUPATIONAL CODES AND TITLES

MATRIX OCCUPATIONS		OES SURVEY OCCUPATIONS	
CODE	TITLE	CODE	TITLE
61087800	MISC MACH OPS,LEATHER,LE		
61087802	BELT MAKERS,APPAREL	55K68	BELT MAKER, APPAREL
61087803	LIMERS	55K74	LIMER
61087804	TANNING-LIQUOR MAKERS	55K79	TANNING-LIQUOR MAKER
61087805	MEASURING MACHINE OPS,	55L15	MEASURING-MA OP,LTHR
61087806	MOLDERS,FIBERGLASS LUG	55L58	MOLDR,FIBRGLAS LUGGA
61087807	HANDBAG FRAMERS	55T78	HANDBAG FRAMER
61087809	STAKERS,MACHINE	55P91	STAKER, MACH
61087810	TANNING DRUM OPS/COLOR	55Q50	TANNING DRUM OPR
61087811	WRINGER MACHINE OPERAT	55R49	WRINGER-MACH OPER
61087813	GLUE SPREADING MACH OP	55J44	GLUE-SPREADING-MA OP
61087814	GLOVE TURNERS & FORMER	55J42	GLOVE TURNR & FORMER
61087815	BUFFERS,HIDES OR SKINS	55F23	BUFFER,HIDES OR SKIN
61087817	BURNISHERS	55F32	BURNISHER
61088000	MISC MACH OPS,STONE,CLAY		
61088002	MOLDING MACH OPERATORS	55L63	MOLDING-MA OP/PRESSR
61088003	ASBESTOS SHINGLE SHEAR	55T89	ASBSTS SHNGL-SHEAR
61088004	SLIVER FORMING & WINDI	55P50	SLIVER-FRMG-WNDG OPR
61088011	GLAZIERS,STAINED GLASS	55J40	GLAZIER,STAINED GLAS
61088012	FORMING MACH OPERATORS	55I97	FORMING-MA OP,GLASS
61088015	BEVELERS	55E72	BEVELER
61088018	JIGGER OPERATORS	55K32	JIGGER OPR
61088021	REFACTORY GRINDER OPER	55N03	REFACTORY-GRINDER OP
61088023	SPRAY MACHINE OPERATOR	55P82	SPRAY MACH OPR
61088026	PRESS OPERATORS	55R58	PRESS OPR
61088035	CAGE MAKERS,HAND OR MA	55F37	CAGE MAKER
61088038	BLOCKMAKING MACHINE OP	55E86	BLOCKMAKING MACH OPR
61088039	DIPPERS	55H75	DIPPER
61088040	CONCRETE STONE FABRICA	55G64	CONCRETE-STONE FABRI
61088048	SAND BLASTERS,STONE	55N54	SANDBLASTER,STONE
61088058	BRICK & TILE MAKING MA	55F15	BRICK & TILE MACH OP
61088062	CALENDER MACH OPERATOR	55F43	CALENDER MACH OPE
61088064	ABRASIVE GRINDERS	55E02	ABRASIVE GRINDER
61088070	CONCRETE VAULT MAKERS	55S42	CONCRETE-VAULT MKR
61088071	MILLERS,CLAY	57021	MILLER, CLAY
61088072	FLOOR WORKERS,GLASS	55S89	FLOOR WORKER, GLASS
61088200	MISC MACH OPS,PRIMARY ME		
61088205	COKE OVEN PUSHERS/DOOR	55T34	COKE OVEN PUSHER/DR
61088208	PUMP OPERATORS,BY-PROD	55M78	PUMP OPR BY-PRODUCTS
61088210	ROLL BUILDERS	55N22	ROLL BUILDER
61088213	SLAB DEPILER OPERATORS	55P41	SLAB DEPILER OPR
61088218	HEATERS,COKE PRODUCTIO	55J87	HEATER,COKE PRODUCTN
61088229	COILERS,WINDERS,&/OR S	55G51	COILER,WINDER
61088236	POT TENDERS	55M44	POT TNDR
61088240	SLIME PRESS & FILTER O	55P45	SLIME PRESS/FILTRMN
61088248	DUST OPS/ORE CRUSHING	55I10	DUST OPERATOR
61088260	STRANDING MACHINE OPER	55Q31	STRANDING MACH OP
61088261	STRETCHER-LEVELER OPER	55Q33	STRETCHER-LEVELER OP
61088262	STRIPING MACH OPERATOR	55Q36	STRIPING MACH OPR WR
61088267	DRAW-BENCH OPERATORS,T	55H85	DRAW-BENCH OPR
61088269	CARBON SETTERS	55F55	CARBON SETTER
61088274	COREMAKERS,MACHINE	55G86	COREMAKER,MACHINE
61088276	EXTRUSION PRESS OPS,HO	55I48	EXTRUSION PRESS OP
61088277	BRIQETTING MACH OPERAT	55F19	BRIQUETTING-MACH OP
61088280	INSULATING EXTRUDING M	55I47	INSUL EXTRUD MA OP
61088282	PICKLERS,CONTINOUS PIC	55M17	PICKLER CNTNUS PICK
61088286	ROLL FORMING MACH OPER	55C54	ROLL FORMING MACH OP
61088287	DIE-CASTING MACH OPS,S	55R73	DI-CAST MA OP/SETTER
61088288	IMPREGNATORS,ELECTRONI	55R75	IMPREGNATOR,ELECTRON
61088289	COIL TAPERS,HAND OR MA	55R83	COIL TAPER,HAND/MACH
61088291	MULTI-SLIDE MACHINE OP	55S32	MULTI-SLIDE MACH OP
61088292	BODYMAKER OPERATORS,TI	55S33	BODYMAKER OP,TIN CAN
61088293	WIRE WEAVERS	55S34	WIRE WEAVER
61088296	PRECIPITATOR OPERATORS	55S61	PRECIPITATOR OPER

CONVERSION TABLE: OES SURVEY-BASED MATRIX OCCUPATIONAL CODES AND TITLES TO OES SURVEY OCCUPATIONAL CODES AND TITLES

MATRIX OCCUPATIONS		OES SURVEY OCCUPATIONS	
CODE	TITLE	CODE	TITLE
61088400	MISC MACH OPS,MFG,NEC		
61088401	SCREEN/STENCIL PRINTER	55T70	SCRN-STNCL PRNT/SET
61088402	SCREENMAKERS, PHOTOGRA	55S64	SCREENMAKER, PHOTOGR
		55T72	SCRN MKER,PHOTOG PRO
61088403	COREMAKERS,HAND,BENCH,	55G85	COREMAKER,HAND
61088405	FILTER/FILTER PRESS OP	55I64	FILTERER, PETROLEUM
		55T93	FLTR/FLTR PRESS OP
61088406	BRAIDING MACHINE OPERA	55F09	BRAIDING MACH OPE
61088407	GRINDER OPERATORS	55T86	GRINDER OP,CHEM & RE
61088408	CHIPPERS	55G20	CHIPPER
61088410	SKIVERS	55D04	SKIVER
61088412	VULCANIZERS,FOOTWEAR	55R16	VULCANIZER, FOOTWEAR
61088414	TUMBLER OPERATORS,PLAS	55Q97	TUMBLER OPR PLASTICS
61088415	LAMINATORS,PREFORMS	58009	LAMINATOR,PREFORMS
61088416	PRESS OPERATORS,PLASTI	58010	PRESS OPERATOR, PLAS
61088417	TUBE MOLDERS,FIBERGLAS	58013	TUBE MOLDER, FIBRGLS
61088419	RUBBER MOLD MAKERS	55N45	RUBBER MOLD MAKER
61088423	VULCANIZERS,RUBBER PLA	55R17	VULCANIZER, RUBBER P
61088424	BAGGERS,PLASTICS	58001	BAGGER, PLASTICS
61088427	HOSE MAKERS	55K04	HOSE MAKER
61088428	ENCAPSULATORS	55R84	ENCAPSULATOR
61088431	CUTTER &/OR GRINDER OP	55R89	CUTTER/GRINDER OPER
61088433	COATERS,ROOFING FELT	55S07	COATER,ROOFING FELT
61088436	LOADING MACHINE OPERAT	55S14	LOADING-MACH OP
61088437	INSUL WRAPPING/BRAIDIN	55S52	INSUL WRAP/BRADING
61088441	ULTRASONIC MACHINE OPE	55S83	ULTRASONIC MACH OP
61088442	ADHESIVE BANDAGE MACH	55S87	ADHESIVE-BANDAGE MA
61088443	SOABAR OPERATORS	55S94	SOABAR OPERATOR
61088600	MISC MACH OPS,NONMFG		
61088601	PIPE WRAPPING MACH OPE	55C25	PIPE WRAPPING MACHIN
61088604	FORMATION TESTING OPER	55B34	FORMATION TESTING OP
61088614	TIRE FABRICATORS,REPAI	55D22	TIRE FABRICATOR AND/
61088615	BOAT PATCHERS,PLASTIC	55D90	BOAT PATCHER, PLASTI
61088616	INK WORKERS	55T22	INK WORKER
61088621	PHOTOLETTERING MACHINE	55D61	PHOTOLETTRING MAC OP
61088625	REFINERY OPERATORS,PET	55Q07	REFINERY OPR
61088628	GRANULATOR MACHINE OPE	55J52	GRANULATOR MACH OPER
61088800	OPERATIVES,NEC,DURABLE G		
61088803	BENCH HANDS,JEWELRY	55E69	BENCH HAND, JEWELRY
61088804	WARE FINISHERS,FTCASTE	55T87	WARE FINSH,FOOTCSTR/
61088805	CASTERS	55F75	CASTER
61088806	CHAIN MAKERS,HAND	55F95	CHAIN MAKER, HAND
61088807	BREAKERS	55F14	BREAKER
61088809	CATCHERS	55F65	CATCHER
61088810	CASTERS,PATTERY & PORC	55F73	CASTER,POTTRY & PORC
61088814	CONCRETE PIPE MAKERS	55G63	CONCRETE-PIPE MAKER
61088815	DECAL APPLIERS	55H38	DECAL APPLIER
61088817	FABRICATORS,PLASTICS	55I50	FABRICATOR, PLASTICS
61088818	FINISHERS,HAND	55I69	FINISHER, HAND
61088820	GATHERERS	55J27	GATHERER
61088826	MILL HANDS,PLATE MILL	55L26	MILL HAND,PLATE MILL
61088828	REFRACTORY MOLDERS,HAN	55L55	REFRACTRY MOLDR,HAND
61088834	PLATER HELPERS	55M32	PLATER HELPER
61088835	POT LINERS	55M43	POT LINER
61088841	SHAPERS,HAND	55P06	SHAPER, HAND
61088846	TRANSFER CONTROLLERS,S	55Q81	TRANSFER CONTROLLER
61088847	CLAY TURNERS	55R01	CLAY TURNER
61088849	WAX PATTERN WORKERS	55R30	WAX PATTERN WORKER
61088850	WIRE DRAWERS	55R41	WIRE DRAWER
61088851	PIPE STRIPPERS	55C24	PIPE STRIPPER
61088852	LAYOUT MARKERS,WOOD	55K30	LAY-OUT MARKER, WOOD
61088853	VENEER REPAIRERS,HAND	55R98	VENEER REPAIRER HAND

CONVERSION TABLE: OES SURVEY-BASED MATRIX OCCUPATIONAL CODES AND TITLES TO OES SURVEY OCCUPATIONAL CODES AND TITLES

MATRIX OCCUPATIONS		OES SURVEY OCCUPATIONS	
CODE	TITLE	CODE	TITLE
61089000	OPERATIVES,NEC,NONDUR GO		
61089002	CURERS,RUBBER GOODS	55H15	CURER, RUBBER GOODS
61089003	BAKER HELPERS	55E37	BAKER HELPER
61089004	STEMMERS,HAND	55P98	STEMMER, HAND
61089007	CHEESEMAKER HELPERS	55G08	CHEESEMAKER HELPER
61089008	CHICKEN CUTTERS	55G18	CHICKEN CUTTER
61089009	COOLER ROOM WORKERS,ME	55G78	COOLR RM WORKER,MEAT
61089012	DECORATORS,BAKERY PROD	55H47	DECORATR,BAKERY PROD
61089013	DEHAIRING MACHINE OPER	55H48	DEHAIRING MACH TENDR
61089014	SCREEN CUTTERS/MARKERS	55T71	SCRN CUTTER/MKR NON
61089015	DIE MOUNTERS	55H67	DIE MOUNTER
61089016	DIGESTER OPERATOR HELP	55H73	DIGESTER-OP,HELPER
61089017	DRAPERS	55H84	DRAPER
61089021	FIREWORKS MAKERS	55I77	FIREWORKS MAKER
61089023	FLOOR WORKERS,FOOTWEAR	55I85	FLOOR WORKER, FOOTWR
61089025	FUR NAILERS	55J10	FUR NAILER
61089029	INGREDIENT SCALERS	55K17	INGREDIENT SCALER
61089031	LEATHER WORKERS	55K70	LEATHER WORKER
61089032	LUGGAGE MAKERS	55K89	LUGGAGE MAKER
61089039	PICKERS	55M14	PICKER
61089040	POULTRY DRESSERS,EVISC	55M46	POULTRY DRESS/EVISCR
61089042	PRINTER-SLOTTER FEEDER	55M65	PRINTER-SLOTTER FEED
61089044	PLASTICS REPAIRERS	55N06	PLASTICS REPAIRER
61089048	SEASONERS,MACHINE	55N84	SEASONER, MACH
61089050	SHACTORS	55P02	SHACTOR
61089053	SHELLFISH SHUCKERS	55P15	SHELLFISH SHUCKER
61089054	SHUTTLERS,EMBROIDERY	55P20	SHUTTLER, EMBROIDERY
61089058	SKINNERS,ANIMAL	55P38	SKINNER, ANIMAL
61089060	SMOKERS	55P55	SMOKER
61089061	SPLITTING MACHINE FEED	55P78	SPLITTING-MACH FEEDE
61089063	SPRAYERS,HAND &/OR MAC	55P83	SPRAYER HAND/MACH
61089064	STAINERS	55P90	STAINER
61089065	STICKERS	55Q04	STICKER
61089067	REFINERY OPERATOR HELP	55Q08	REFINERY OPR HELPER
61089069	STUNNERS	55Q37	STUNNER
61089070	TACKERS,TOGGLERS,& PAS	55Q45	TCKER TOGLR PASTER
61089071	THREAD TRIMMERS	55Q62	THREAD TRIMMER
61089072	TIRE FINISHERS	55Q71	TIRE FINISHER
61089073	TREATERS	55Q82	TREATER
61089078	CASTERS,PLASTICS	58004	CASTER,PLASTICS
61089079	LEAF CONDITIONERS,CASE	55B74	LEAF CONDITIONER
61089082	FINISHERS,POTTERY & PO	55I71	FINISHER, POTTERY AN
61089083	CIGAR MAKERS,HAND	55R92	CIGAR MAKER,HAND
61089085	ENROBING MACH OPS/MACH	55S24	ENRBNG MCH/MCH ICER
61089087	FLAMERS	55I82	FLAMER
61089088	LASTERS,HAND	55K54	LASTER,HAND
61089089	SIDE LASTERS	55P21	SIDE LASTER
61089090	TOE LASTERS	55Q76	TOE LASTER
61089091	PURIFICATION OPERATORS	55S76	PURIFICATION OPER
61089092	MARKERS	55S77	MARKER
61089095	PRESS ASSISTANTS & FEE	55T27	PRESS ASSTS & FEEDRS
61089096	COPY MARKERS	55T01	COPY MARKER
61089097	MAILERS	55T31	MAILER
61089200	OPERATIVES,NEC, NONMFG		
61089203	BILLPOSTERS	55A18	BILLPOSTER
61089204	EXTERMINATORS	55B17	EXTERMINATOR
61089205	FUMIGATORS	55B36	FUMIGATOR
61089206	NAT GAS TREATING UNIT	55B45	NATURAL-GAS-TREATING
61089210	TERMITE TREATERS	55D16	TERMITE TREATER
61089211	TERMITE TREATER HELPER	55D17	TERMITE-TREATER HELP
61089221	DRAPERY & UPHOLSTERY M	55D71	DRAPERY AND UPHOLSTE
62000000	TRANSPORT EQUIP OPERATIVES		
62000200	MOTOR BOAT OPERATORS	55V08	
62000400	BUS DRIVERS		
62000401	BUS DRIVERS	55A36	BUS DRIVER
62000402	BUS DRIVERS, SCHOOL	55V05	BUS DRIVER, SCHOOL
62000600	STREETCAR OPERATORS	55B97	SUBWAY/STREETCAR OP
62000800	DELIVERY & ROUTE WORKERS		
62000801	DELIVERY & ROUTE WORKE	55A87	DELIVERY & ROUTE WKR
62000802	FURNITURE ASSEMBLERS &	55D54	FURNITURE ASSEMBLER

CONVERSION TABLE: OES SURVEY-BASED MATRIX OCCUPATIONAL CODES AND TITLES TO OES SURVEY OCCUPATIONAL CODES AND TITLES

MATRIX OCCUPATIONS		OES SURVEY OCCUPATIONS	
CODE	TITLE	CODE	TITLE
62001000	FORK LIFT,TOW MOTOR OPS		
62001001	INDUSTRIAL TRUCK OPERA	55B57	INDUSTRIAL TRUCK OPE
62001002	CARRIER DRIVERS	55F64	CARRIER DRIVER
62001003	LOG HANDLING EQUIPMENT	55K84	LOG HANDLNG EQPMT OP
62001400	PARKING LOT ATTENDANTS	55C17	PARKING-LOT ATTENDAN
62001600	BRAKERS,TRAIN	55A29	BRAKER, TRAIN
62001800	TOWER OPERATORS	55D24	TOWER OPR
62002000	TAXICAB DRIVERS,CHAUFFER		
62002001	AMBULANCE DRIVERS/AMB	55V06	AMB DRV &/OR AMB ATT
62002003	DRIVERS,ASSEMBLY LINE	55T67	DRIVER,ASSMBLY LINE
62002004	TAXI DRIVERS	55D09	TAXI DRIVER
62002006	RENTAL CAR DELIVERY WO	55S97	RENTAL CAR DELIVERME
62002007	CHAUFFEURS	55T48	CHAUFFEUR
62002200	TRUCK DRIVING OCCUPATION		
62002201	TRUCK DRIVERS	54000	TRUCK DRIVER
		54001	TRUCK DRIVER, HEAVY
		54002	TRUCK DRIVER, LIGHT
		54003	TRACTOR-TRAILER TRUC
62002205	BOOKMOBILE DRIVERS	55T41	BOOKMOBILE DRIVER
63000000	ALL OTHER SEMISKILLED WKRS	53024	RUG REPAIRER
		55A25	BONDER AND/OR WIRER
		55A52	CARPET SEWER
		55B07	DUMP OPR
		55B11	EXTRACTR/EXT PLNT OP
		55B44	GEAR CUTTING, GRIND
		55B56	INCINERATOR OPR
		55B98	DINKEY OPR
		55E89	BOBBIN SORTER
		55F92	CNTRFUGL-CSTNG-MA OP
		55G56	COMBINER OPR
		55I28	EMBROIDERER, HAND
		55J75	HAND SEWER
		55K60	LAYBOY TNDR
		55M08	PATTERNMAKER
		55M76	PUMP OPR
		55N63	SAW FILER
		55N78	SCREENER OPR
		55P49	SLITTING MACH OPR
		55P80	SPOT CLEANER
		55P84	SPREADER
		55Q03	STERILIZER
		55R08	VARIETY SAW OPR
		55R87	BALANCING-MACH OPER
		55S09	CORE ASSMBLR,PASTER
		55S23	FARM EQUIP OP
		55S25	BALING MACH OP
		55S70	EYELET-MACH OP
		55S75	STAPLE CUTTER
		55S78	CUTTER,HAND
		55T65	GLUER/CEMENTER,HAND
		55T79	EMBOSSING,STAMP/MARK
		55T95	PIPE AND TANK LINER
		55T97	PUMP OPERATOR
		55T98	PUMP OPERATOR HELPER
		55V03	CALENDER OPER HELPER
		59002	ALL OTHER SEMISKILLD
70000000	SERVICE WORKERS		
70020000	CLEANING SERVICE WORKERS		
70020600	JANITORS,PORTERS,& CLEAN	41000	JANITRS,PORTRS&CLNRS
		41003	MAID
		41005	HOUSE CLEANER
		41900	ALL OTHER JANITORS,P

CONVERSION TABLE: OES SURVEY-BASED MATRIX OCCUPATIONAL CODES AND TITLES TO OES SURVEY OCCUPATIONAL CODES AND TITLES

MATRIX OCCUPATIONS		OES SURVEY OCCUPATIONS	
CODE	TITLE	CODE	TITLE
70040000	FOOD SERVICE WORKERS		
70040200	BAKERS,BREAD &/OR PASTRY	43001	BAKER, BREAD AND/OR
70040400	BARTENDERS	43002	BARTNDR
70040600	DINING RM ATTNS,BAR HELP	43003	DINING ROOM ATTENDA
70040800	COOKS,EX PRIVATE		
70040802	COOKS,SHORT ORDER/SPEC	43011	COOK,SHORT ORDER AND
70040803	COOKS,RESTAURANT	43013	COOK,RESTAURANT
70040804	COOKS,INSTITUTIONAL	43016	COOK,INSTITUTION
70041400	BUTCHERS &/OR MEAT CUTTE	43004	BUTCHER AND/OR MEAT
70041600	WAITERS & WAITRESSES		
70041601	HOSTS/HOSTESSES,REST,L	43006	HOSTESS,RESTAURANT,
70041602	WAITERS OR WAITRESSES	43009	WAITER OR WAITRESS
70041800	FOOD WORKERS,NEC,EX PRIV		
70041802	KITCHEN HELPERS	43067	KITCHEN HELPER
70041804	FD PREP & SERV WKRS,FA	43014	FOOD PREPARATION AN
70041805	PANTRY,SANDWICH,&/OR C	43015	PANTRY,SANDWICH AND/
70041899	ALL OTHER FOOD SERVICE	43000	FOOD SERVICE WORKERS
		43010	COUNTER ATTENDANT, L
		43900	ALL OTHER FOOD SERVI
70060000	HEALTH SERVICE WORKERS		
70060400	OCCUPATIONAL THERAPY AID	44082	OCCUPATIONAL THERAPY
70061000	NURSING ASSISTANT OCCUPS		
70061010	NURSES AIDES/ORDERLIES	44025	NURSE AIDE AND/OR OR
70061011	PSYCHIATRIC AIDES	44028	PSYCHIATRIC AID
70061012	ORTHOPEDIC CAST SPECIA	44043	ORTHOPEDIC-CAST SPEC
70061013	MEDICAL ASSISTANTS	44081	MEDICAL ASSISTANT
70080000	PERSONAL SERVICE WORKERS		
70080200	FLIGHT ATTENDANTS	44012	FLIGHT ATTENDANT
70080400	ATTNS,RECREATION & AMUSE		
70080401	RECREATION FACILITY AT	44029	RECREATION FACILITY
70080402	GAME OPS,RIDE OPS,CONC	44031	GAME OPRS,RIDE
70080403	PIN CHASERS	55D64	PIN CHASER
70080404	RACKERS,POOLROOM	55D65	RACKER, POOLROOM
70080407	LIFEGUARDS	44078	LIFEGUARD
70080600	ATTNS,PERSONAL SERVICE,N		
70080602	MORTUARY BEAUTICIANS	44086	MORTUARY BEAUTICIAN
70080603	COSTUMERS	44007	COSTUMER
70080605	CREMATORS	44009	CREMATOR
70080606	ESCORTS &/OR CHAPERONS	44011	ESCORT AND/OR CHAPER
70080607	FUNERAL ATTENDANTS	44015	FUNERAL ATTENDANT
70080608	GUIDES,TRAVEL	44017	TRAVEL GUIDE
70080609	MASSEURS OR MASSEUSES	44024	MASSEUR OR MASSEUSE
70080611	INSTRUCTORS,REDUCING	44040	INSTRUCTOR,REDUCING
70080616	HOUSEKEEPERS,HOTEL & M	44019	HOUSEKEEPER
70080618	CHECKROOM & LOCKER RM	44079	CHECKROOM AND LOCKER
70080619	GUIDES,SIGHTSEEING OR	44075	GUIDE,SIGHTSEEING OR
70080800	BAGGAGE PORTERS & BELLHO		
70080801	BELLHOPS,BAG PORTERS,D	44003	BELLHOP,BAGGAGE PORT
70080802	BAGGAGE PORTERS	44021	BAGGAGE PORTER
70080803	BAGGAGE HANDLERS	55A16	BAGGAGE HANDLER
70081000	BARBERS	44002	BARBER
70081400	BOOTBLACKS	44037	BOOTBLACK
70081600	CHILD CARE WORKERS,EX PR		
70081601	CHILD CARE ATTENDANTS	44001	CHILD CARE ATTENDANT
70081602	CHILD CARE WORKERS	44077	CHILD-CARE WORKER
70081800	ELEVATOR OPERATORS	44076	ELEVATOR OPR
70082000	HAIRDRESSERS,COSMETOLOGI		
70082001	COSMETOLOGISTS/WM'S HA	44006	COSMETOLOGIST AND/O
70082003	MANICURISTS	44023	MANICURIST
70082004	SCALP TREATMENT OPERAT	44032	SCALP TREATMENT OPER
70082006	SHAMPOOERS	44038	SHAMPOOER
70082200	STEWARDS,SHIP	44033	STEWARD,SHIP
70082600	SCHOOL MONITORS	44085	SCHOOL MONITOR
70082800	USHERS,LOBBY ATTNS,TICKE	44034	USHER,LOBBY ATTENDAN
70083000	SOCIAL SERVICE AIDES	44080	SOCIAL SERVICE AIDE
70100000	PROTECTIVE SERVICE WORKER		
70100200	CROSSING GUARDS,BRIDGETE		
70100202	CROSSING OR BRIDGE TEN	44035	CROSSING OR BRIDGE T
		44063	CROSSING OR BRIDGE T
70100203	SCHOOL CROSSING GUARDS	44062	SCHOOL CROSSING GUAR

CONVERSION TABLE: OES SURVEY-BASED MATRIX OCCUPATIONAL CODES AND TITLES TO OES SURVEY OCCUPATIONAL CODES AND TITLES

MATRIX OCCUPATIONS		OES SURVEY OCCUPATIONS	
CODE	TITLE	CODE	TITLE
70100400	FIREFIGHTING OCCUPATIONS		
70100401	FIRE FIGHTERS	44552	FIRE FIGHTER
70100402	FIRE INSPECTORS	44551	FIRE INSPECTOR
70100403	FIRE OFFICERS	44553	FIRE FIGHTING SUPERV
70100600	GUARDS		
70100601	GUARDS & DOORKEEPERS	42000	GUARDS & DOORKEEPERS
70100602	CHECKERS,FITTING ROOM	44055	CHECKER,FITTING ROO
70100605	SECURITY CHECKERS	44084	SECURITY CHECKER
70100606	FISH & GAME WARDENS	44060	FISH AND GAME WARDEN
70100607	CORRECTION OFFICERS &/	44505	CORRECTION OFFICER A
70100800	U.S. MARSHALLS	44508	U.S. MARSHALL
70101000	POLICE & DETECTIVES		
70101001	DETECTIVES, PRIVATE	44010	DETECTIVE
70101002	STORE DETECTIVES	44073	STORE DETECTIVE
70101003	RAILROAD POLICE	44083	RAILROAD POLICE
70101004	POLICE OFFICERS	44501	POLICE/DET SUPERVISO
70101005	POLICE DETECTIVES	44502	DETECTIVE,POLICE
70101006	POLICE PATROLMEN/WOMEN	44503	POLICE PATROL OFFICR
70101007	PARKING ENFORCEMENT OF	44504	PARKING ENFORCEMENT
70101200	SHERIFFS & BAILIFFS		
70101201	SHERIFFS	44506	SHERIFF
70101202	BAILIFFS	44507	BAILIFF
70120000	PRIVATE HOUSEHOLD WORKERS		
70121000	MAIDS,SERVANTS,PVT HSHLD		
70200000	OTHER SERVICE WORKERS		
70200001	SUPERVISORS,NONWORKING	44014	SUPRVSR,NONWRKG SERV
70200099	ALL OTHER SERVICE WORK	44008	COSTUMER ASSISTANT
		44022	MAKE-UP ARTIST
		44036	WIG DRESSER
		49000	ALL OTHR SERV WRKS
80000000	LABORERS,EX FARM		
80000200	ANIMAL CARETAKERS	55D14	ANIMAL CARETAKER
80000600	CONST LABRS,EX CARPEN HL		
80000601	AIR HAMMER OPERATORS	55A04	AIR-HAMMER OPR
80000602	ASPHALT HEATER TENDERS	55A09	ASPHALT-HEATER TENDE
80000603	FORM SETTERS,METAL ROA	55B31	FORM SETTER,METAL RO
80000605	DREDGE DIPPER TENDERS	55A96	DREDGE-DIPPER TNDR
80000606	DREDGE PIPE INSTALLERS	55A97	DREDGE PIPE INSTALLE
80000607	FENCE ERECTORS	55B18	FENCE ERECTOR
80000609	PIPELAYERS	55C23	PIPELAYER
80000610	REINFORCING-IRON WORKE	55C52	REINFORCING-IRON WOR
80000611	TRENCH SEWER SHAPERS	55C73	TRENCH SEWER SHAPER
80000612	SEWER TAPPERS	55C75	SEWER TAPPER
80000628	HIGHWAY MAINTENANCE WO	55D75	HIGHWAY-MAINTENANCE
80000629	ASPHALT RAKERS	55R67	ASPHALT RAKER
80001000	FREIGHT,MATERIAL HANDLER		
80001005	CHAIN OFFBEARERS,LUMBE	55F97	CHAIN OFFBEARR,LUMBR
80001006	KILN TRANSFER OPERATOR	55K42	KILN TRANSFER OPERAT
80001007	LOADERS,CAR & TRUCK	55K80	LOADER,CAR AND TRUCK
80001008	LUMBER STRAIGHTENERS	55K91	LUMBER STRAIGHTENER
80001009	OFF-BEARERS	55L84	OFF-BEARER
80001010	ORDERING MACHINE OPERA	55L89	ORDERING MACH OPE
80001011	PROPERTY HANDLERS	55C22	PROPERTY HANDLER
80001014	KILN STACKER OPERATORS	55P89	KILN STACKER OPR
80001015	TIRE LAYERS & EXTRACTO	55Q72	TIRE LAYER/EXTRACTOR
80001017	FEEDERS/CATCHERS,TOBAC	55R91	FEEDER-CATCHER,TOBAC
80001018	VENEER DRIER FEEDERS	55R96	VENEER DRIER FEEDER
80001019	LOADERS,TANK CARS &/OR	55B75	LOADR,TNK CR&/OR TRK
80001020	CONVEYOR OPERATORS OR	55R90	CONVEYOR OP/TENDER
80001023	WORK DISTRIBUTORS	55R46	WORK DISTRIBUTOR
80001200	REFUSE COLLECTORS	55C51	REFUSE COLLECTOR
80001400	GARDENERS & GROUNDSKEEPE		
80001401	GARDENERS & GROUNDSKEE	55T47	GARDENERS AND GROUND
80001402	TREE TRIMMERS	55V07	TREE TRIMMER

CONVERSION TABLE: OES SURVEY-BASED MATRIX OCCUPATIONAL CODES AND TITLES TO OES SURVEY OCCUPATIONAL CODES AND TITLES

MATRIX OCCUPATIONS		OES SURVEY OCCUPATIONS	
CODE	TITLE	CODE	TITLE
80001800	TIMBERCUTTING,LOGGING WK		
80001801	CHASERS	55G04	CHASER
80001802	CHOKER SETTERS,LUMBER	55G22	CHOKER SETTER,LUMBER
80001803	DECKER OPERATORS	55H39	DECKER OPR
80001805	FALLERS &/OR BUCKERS	55I51	FALLER AND/OR BUCKER
80001806	HEAD LOADERS	55J81	HEAD LOADER
80001808	POND WORKERS,LUMBER	55M41	POND WORKER, LUMBER
80001809	RIGGING SLINGERS	55N13	RIGGING SLINGER
80001810	SECOND LOADERS	55N89	SECOND LOADER
80002000	STOCK HANDLERS		
80002001	ORDER FILLERS	55C08	ORDER FILLER
80002003	STOCK CLERKS,SALES FLO	55D74	STOCK CLERK, SALES F
80002400	VEHICLE WASHERS,EQUIP CL		
80002401	CLEANERS,VEHICLE	55A61	CLEANER, VEHICLE
80002402	POLISHERS,MOLD	55M39	POLISHER, MOLD
80002403	MOLD CLEANERS,TIRE	55S40	MOLD CLEANER,TIRE
80002800	OTHER LABORERS		
80002809	HOSE LOADERS	55K03	HOSE LOADER
80002812	SETTERS &/OR DRAWERS	55N97	SETTER AND/OR DRAWER
80002813	SHAKEOUT WORKERS,FOUND	55P03	SHAKEOUT WKR FOUNDRY
80002814	SHAKERS	55P04	SHAKER
80002815	STRIPPERS	55Q35	STRIPPER
80002818	BELT MAKERS,SANDING DR	55E67	BELT MAKR,SAND DRUMS
80002819	FURNACE OP HELPERS/HEA	55S51	HELPER,FURNCE OP/HTR
80002821	SCRAP SORTERS	55S62	SCRAP SORTER
80002822	RIGGERS	55E54	RIGGER
80002823	ALL OTHER HELPERS,SKIL	55B87	HELPER,TRADES
		56001	ASBESTOS AND INSULAT
		56002	BRICKLAYER HELPER
		56003	CARPENTER HELPER
		56004	CEMENT MASON HELPER
		56005	ELECTRICIAN HELPER
		56006	PAINTER HELPER
		56008	PAPERHANGER HELPER
		56009	PLASTERER HELPER
		56010	PLUMBER/PIPEF HELPER
		56011	ROOFER HELPER
		56012	STONE MASON HELPER
		56013	TILE SETTER HELPER
		56015	CABINETMAKER HELPER
		56016	TERRAZZO WORKER HELP
		56900	ALL OTHER HELPERS,SK
80002824	CANNERY WORKERS	55S47	CANNERY WORKER
80002826	SHANK PIECE TACKERS	55P05	SHANK-PIECE TACKER
80002828	RAW CHEESE WORKERS	55M90	RAW CHEESE WORKER
80002829	TREERS	55Q84	TREER
80002830	LINE SERVICE ATTENDANT	55T33	LINE-SERVICE ATTENDA
80002831	FOREST CONSERVATION WO	44059	FOREST CONSERVATION
80002832	SEPTIC TANK SERVICERS,	55D96	SEPTIC TANK SERVICER
80002899	ALL OTHER LABORERS & U	55B49	GROUND WORKER, UTILI
		55D25	TRACK LAYER
		55N52	SAMPLR/TEST PREPRER
		55T32	TRUCK DRIVER HELPER
		55T42	LOCKER-PLANT ATTENDA
		55T43	WEIGHER,PRODUCTION
		55T53	SIGNALLER
		55T62	EQUIPMENT CLNR,HAND
		55T73	MOLD CLSR,CORE SET/W
		55T99	SAND CUTTER,MXR,SLNG
		59003	ALL OTHER LABORERS
90000000	FARMERS & FARM WORKERS		
90020000	FARMERS & FARM MANAGERS		
90040000	FARM LABORERS, FARM SUPER		

REFERENCE H

1980 Census Occupation Categories

The 1980 Census occupation categories were developed from the 1980 Standard Occupational Classification (SOC) system. This reference is divided into two parts. Part I contains the listing of Census categories by the 1980 Census code arranged in ascending numerical order and categorized by major occupational groups. The numbers in parentheses refer to the 1980 SOC code equivalents. Pt. means part. N.e.c. means not elsewhere classified. Categories with alphabetic codes in addition to numeric codes are those that occur most frequently in the processing. For clerical coding and data keying, the single letter code is more efficient than the 3-digit code. The 3-digit numeric code is used in computer operations.

Part II contains a conversion table of the 1980 SOC codes and corresponding 1980 Census occupation codes and titles listed in SOC order. Additional information about the Census occupational classification is found on pages 67-70.

PART I

U.S. DEPARTMENT OF COMMERCE
Bureau of the Census
Washington, D.C. 20233

1980 CENSUS OF POPULATION
OCCUPATIONAL CLASSIFICATION SYSTEM
DETAILED OCCUPATIONAL CATEGORIES

MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS

Executive, Administrative, and Managerial Occupations

1980 CODE	
003	Legislators (111)
004	Chief executives and general administrators, public administration (112)
005	Administrators and officials, public administration (1132-1139)
006	Administrators, protective services (1131)
007	Financial managers (122)
008	Personnel and labor relations managers (123)
009	Purchasing managers (124)
013	Managers, marketing, advertising, and public relations (125)
014	Administrators, education and related fields (128)
015	Managers, medicine and health (131)
016	Managers, properties and real estate (1353)
017	Postmasters and mail superintendents (1344)
018	Funeral directors (pt 1359)
019	Managers and administrators, n.e.c. (121, 126, 127, 132-139, exc. 1344, 1353, pt 1359)
	Management Related Occupations
023	Accountants and auditors (1412)
024	Underwriters (1414)
025	Other financial officers (1415, 1419)
026	Management analysts (142)
027	Personnel, training, and labor relations specialists (143)
028	Purchasing agents and buyers, farm products (1443)
029	Buyers, wholesale and retail trade except farm products (1442)
033	Purchasing agents and buyers, n.e.c. (1449)
034	Business and promotion agents (145)
035	Construction inspectors (1472)
036	Inspectors and compliance officers, exc. construction (1473)
037	Management related occupations, n.e.c. (149)

Professional Specialty Occupations

	Engineers, Architects, and Surveyors
043	Architects (161)
	Engineers
044	Aerospace (1622)
045	Metallurgical and materials (1623)
046	Mining (1624)
047	Petroleum (1625)
048	Chemical (1626)
049	Nuclear (1627)
053	Civil (1628)
054	Agricultural (1632)
055	Electrical and electronic (1633)
056	Industrial (1634)
057	Mechanical (1635)
058	Marine and naval architects (1637)
059	Engineers, n.e.c. (1639)
063	Surveyors and mapping scientists (164)
	Mathematical and Computer Scientists
064	Computer systems analysts and scientists (171)
065	Operations and systems researchers and analysts (172)
066	Actuaries (1732)
067	Statisticians (1733)
068	Mathematical scientists, n.e.c. (1739)
	Natural Scientists
069	Physicists and astronomers (1842, 1843)
073	Chemists, except biochemists (1845)
074	Atmospheric and space scientists (1846)
075	Geologists and geodesists (1847)
076	Physical scientists, n.e.c. (1849)
077	Agricultural and food scientists (1853)
078	Biological and life scientists (1854)
079	Forestry and conservation scientists (1852)
083	Medical scientists (1855)
	Health Diagnosing Occupations
084	Physicians (261)
085	Dentists (262)
086	Veterinarians (27)
087	Optometrists (281)
088	Podiatrists (283)
089	Health diagnosing practitioners, n.e.c. (289)
	Health Assessment and Treating Occupations
095	Registered nurses (29)
096	Pharmacists (301)
097	Dietitians (302)
	Therapists
098	Inhalation therapists (3031)
099	Occupational therapists (3032)
103	Physical therapists (3033)
104	Speech therapists (3034)
105	Therapists, n.e.c. (3039)
106	Physicians' assistants (304)

	Teachers, Postsecondary
113	Earth, environmental, and marine science teachers (2212)
114	Biological science teachers (2213)
115	Chemistry teachers (2214)
116	Physics teachers (2215)
117	Natural science teachers, n.e.c. (2216)
118	Psychology teachers (2217)
119	Economics teachers (2218)
123	History teachers (2222)
124	Political science teachers (2223)
125	Sociology teachers (2224)
126	Social science teachers, n.e.c. (2225)
127	Engineering teachers (2226)
128	Mathematical science teachers (2227)
129	Computer science teachers (2228)
133	Medical science teachers (2231)
134	Health specialties teachers (2232)
135	Business, commerce, and marketing teachers (2233)
136	Agriculture and forestry teachers (2234)
137	Art, drama, and music teachers (2235)
138	Physical education teachers (2236)
139	Education teachers (2237)
143	English teachers (2238)
144	Foreign language teachers (2242)
145	Law teachers (2243)
146	Social work teachers (2244)
147	Theology teachers (2245)
148	Trade and industrial teachers (2246)
149	Home economics teachers (2247)
153	Teachers, postsecondary, n.e.c. (2249)
154	Postsecondary teachers, subject not specified
	Teachers, Except Postsecondary
155	Teachers, prekindergarten and kindergarten (231)
N(156)	Teachers, elementary school (232)
P(157)	Teachers, secondary school (233)
158	Teachers, special education (235)
159	Teachers, n.e.c. (236, 239)
163	Counselors, educational and vocational (24)
	Librarians, Archivists, and Curators
164	Librarians (251)
165	Archivists and curators (252)
	Social Scientists and Urban Planners
166	Economists (1912)
167	Psychologists (1915)
168	Sociologists (1916)
169	Social scientists, n.e.c. (1913, 1914, 1919)
173	Urban planners (192)

Social, Recreation, and Religious Workers

174 Social workers (2032)
175 Recreation workers (2033)
176 Clergy (2042)
177 Religious workers, n.e.c. (2049)

Lawyers and Judges

178 Lawyers (211)
179 Judges (212)

Writers, Artists, Entertainers, and Athletes

183 Authors (321)
184 Technical writers (398)
185 Designers (322)
186 Musicians and composers (323)
187 Actors and directors (324)
188 Painters, sculptors, craft-artists, and artist print-makers (325)
189 Photographers (326)
193 Dancers (327)
194 Artists, performers, and related workers, n.e.c. (328, 329)
195 Editors and reporters (331)
197 Public relations specialists (332)
198 Announcers (333)
199 Athletes (34)

TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS

Technicians and Related Support Occupations

Health Technologists and Technicians

203 Clinical laboratory technologists and technicians (362)
204 Dental hygienists (363)
205 Health record technologists and technicians (364)
206 Radiologic technicians (365)
207 Licensed practical nurses (366)
208 Health technologists and technicians, n.e.c. (369)

Technologists and Technicians, Except Health

Engineering and Related Technologists and Technicians

213 Electrical and electronic technicians (3711)
214 Industrial engineering technicians (3712)
215 Mechanical engineering technicians (3713)
216 Engineering technicians, n.e.c. (3719)
217 Drafting occupations (372)
218 Surveying and mapping technicians (373)

Science Technicians

223 Biological technicians (382)
224 Chemical technicians (3831)
225 Science technicians, n.e.c. (3832, 3833, 384, 389)

Technicians; Except Health, Engineering, and Science
226 Airplane pilots and navigators (825)
227 Air traffic controllers (392)
228 Broadcast equipment operators (393)
229 Computer programmers (3971, 3972)
233 Tool programmers, numerical control (3974)
234 Legal assistants (396)
235 Technicians, n.e.c. (399)

Sales Occupations
243 Supervisors and proprietors, sales occupations (40)

Sales Representatives, Finance and Business Services
253 Insurance sales occupations (4122)
254 Real estate sales occupations (4123)
255 Securities and financial services sales occupations (4124)
256 Advertising and related sales occupations (4153)
257 Sales occupations, other business services (4152)

Sales Representatives, Commodities Except Retail
258 Sales engineers (421)
259 Sales representatives, mining, manufacturing, and wholesale (423, 424)

Sales Workers, Retail and Personal Services
263 Sales workers, motor vehicles and boats (4342, 4344)
264 Sales workers, apparel (4346)
265 Sales workers, shoes (4351)
266 Sales workers, furniture and home furnishings (4348)
267 Sales workers; radio, TV, hi-fi, and appliances (4343, 4352)
268 Sales workers, hardware and building supplies (4353)
269 Sales workers, parts (4367)
274 Sales workers, other commodities (4345, 4347, 4354, 4356, 4359, 4362, 4369)
275 Sales counter clerks (4363)
Q(276) Cashiers (4364)
277 Street and door-to-door sales workers (4366)
278 News vendors (4365)

Sales Related Occupations
283 Demonstrators, promoters and models, sales (445)
284 Auctioneers (447)
285 Sales support occupations, n.e.c. (444, 446, 449)

Administrative Support Occupations, Including Clerical
Supervisors, Administrative Support Occupations
303 Supervisors, general office (4511, 4513, 4514, 4516, 4519, 4529)
304 Supervisors, computer equipment operators (4512)
305 Supervisors, financial records processing (4521)
306 Chief communications operators (4523)
307 Supervisors; distribution, scheduling, and adjusting clerks (4522, 4524-4528)

	Computer Equipment Operators
308	Computer operators (4612)
309	Peripheral equipment operators (4613)
	Secretaries, Stenographers and Typists
R(313)	Secretaries (4622)
314	Stenographers (4623)
315	Typists (4624)
	Information Clerks
316	Interviewers (4642)
317	Hotel clerks (4643)
318	Transportation ticket and reservation agents (4644)
319	Receptionists (4645)
323	Information clerks, n.e.c. (4649)
	Records Processing Occupations, Except Financial
325	Classified-ad clerks (4662)
326	Correspondence clerks (4663)
327	Order clerks (4664)
328	Personnel clerks, except payroll and timekeeping (4692)
329	Library clerks (4694)
335	File clerks (4696)
336	Records clerks (4699)
	Financial Records Processing Occupations
S(337)	Bookkeepers, accounting, and auditing clerks (4712)
338	Payroll and timekeeping clerks (4713)
339	Billing clerks (4715)
343	Cost and rate clerks (4716)
344	Billing, posting, and calculating machine operators (4718)
	Duplicating, Mail and Other Office Machine Operators
345	Duplicating machine operators (4722)
346	Mail preparing and paper handling machine operators (4723)
347	Office machine operators, n.e.c. (4729)
	Communications Equipment Operators
348	Telephone operators (4732)
349	Telegraphers (4733)
353	Communications equipment operators, n.e.c. (4739)
	Mail and Message Distributing Occupations
354	Postal clerks, exc. mail carriers (4742)
355	Mail carriers, postal service (4743)
356	Mail clerks, exc. postal service (4744)
357	Messengers (4745)
	Material Recording, Scheduling, and Distributing Clerks, n.e.c.
359	Dispatchers (4751)
363	Production coordinators (4752)
364	Traffic, shipping, and receiving clerks (4753)
365	Stock and inventory clerks (4754)
366	Meter readers (4755)
368	Weighers, measurers, and checkers (4756)
369	Samplers (4757)
373	Expediters (4758)
374	Material recording, scheduling, and distributing clerks, n.e.c. (4759)

Adjusters and Investigators
375 Insurance adjusters, examiners, and investigators (4782)
376 Investigators and adjusters, except insurance (4783)
377 Eligibility clerks, social welfare (4784)
378 Bill and account collectors (4786)

Miscellaneous Administrative Support Occupations
379 General office clerks (463)
383 Bank tellers (4791)
384 Proofreaders (4792)
385 Data-entry keyers (4793)
386 Statistical clerks (4794)
387 Teachers' aides (4795)
389 Administrative support occupations, n.e.c. (4787, 4799)

SERVICE OCCUPATIONS

Private Household Occupations
403 Launderers and ironers (503)
404 Cooks, private household (504)
405 Housekeepers and butlers (505)
406 Child care workers, private household (506)
T(407) Private household cleaners and servants (502, 507, 509)

Protective Service Occupations
Supervisors, Protective Service Occupations
413 Supervisors, firefighting and fire prevention occupations (5111)
414 Supervisors, police and detectives (5112)
415 Supervisors, guards (5113)
Firefighting and Fire Prevention Occupations
416 Fire inspection and fire prevention occupations (5122)
417 Firefighting occupations (5123)
Police and Detectives
418 Police and detectives, public service (5132)
423 Sheriffs, bailiffs, and other law enforcement officers (5134)
424 Correctional institution officers (5133)
Guards
425 Crossing guards (5142)
426 Guards and police, exc. public service (5144)
427 Protective service occupations, n.e.c. (5149)

Service Occupations, Except Protective and Household
Food Preparation and Service Occupations
433 Supervisors, food preparation and service occupations (5211)
434 Bartenders (5212)
U(435) Waiters and waitresses (5213)
436 Cooks, except short order (5214)
437 Short-order cooks (5215)
438 Food counter, fountain and related occupations (5216)
439 Kitchen workers, food preparation (5217)
443 Waiters'/waitresses' assistants (5218)
444 Miscellaneous food preparation occupations (5219)

	Health Service Occupations
445	Dental assistants (5232)
446	Health aides, except nursing (5233)
447	Nursing aides, orderlies, and attendants (5236)
	Cleaning and Building Service Occupations, except Household
448	Supervisors, cleaning and building service workers (5241)
449	Maids and housemen (5242, 5249)
V(453)	Janitors and cleaners (5244)
454	Elevator operators (5245)
455	Pest control occupations (5246)
	Personal Service Occupations
456	Supervisors, personal service occupations (5251)
457	Barbers (5252)
458	Hairdressers and cosmetologists (5253)
459	Attendants, amusement and recreation facilities (5254)
463	Guides (5255)
464	Ushers (5256)
465	Public transportation attendants (5257)
466	Baggage porters and bellhops (5262)
467	Welfare service aides (5263)
468	Child care workers,except private household (5264)
469	Personal service occupations, n.e.c. (5258, 5269)

FARMING, FORESTRY, AND FISHING OCCUPATIONS

	Farm Operators and Managers
W(473)	Farmers, except horticultural (5512-5514)
474	Horticultural specialty farmers (5515)
475	Managers, farms, except horticultural (5522-5524)
476	Managers, horticultural specialty farms (5525)
	Other Agricultural and Related Occupations
	Farm Occupations, Except Managerial
477	Supervisors, farm workers (5611)
479	Farm workers (5612-5617)
483	Marine life cultivation workers (5618)
484	Nursery workers (5619)
	Related Agricultural Occupations
485	Supervisors, related agricultural occupations (5621)
486	Groundskeepers and gardeners, except farm (5622)
487	Animal caretakers, except farm (5624)
488	Graders and sorters, agricultural products (5625)
489	Inspectors, agricultural products (5627)
	Forestry and Logging Occupations
494	Supervisors, forestry and logging workers (571)
495	Forestry workers, except logging (572)
496	Timber cutting and logging occupations (573, 579)
	Fishers, Hunters, and Trappers
497	Captains and other officers, fishing vessels (pt 8241)
498	Fishers (583)
499	Hunters and trappers (584)

PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS

	Mechanics and Repairers
503	Supervisors, mechanics and repairers (60)
	Mechanics and Repairers, Except Supervisors
	Vehicle and Mobile Equipment Mecnanics and Repairers
X(505)	Automobile mechanics (pt 6111)
506	Automobile mechanic apprentices (pt 6111)
507	Bus, truck, and stationary engine mechanics (6112)
508	Aircraft engine mechanics (6113)
509	Small engine repairers (6114)
514	Automobile body and related repairers (6115)
515	Aircraft mechanics, exc. engine (6116)
516	Heavy equipment mechanics (6117)
517	Farm equipment mechanics (6118)
518	Industrial machinery repairers (613)
519	Machinery maintenance occupations (614)
	Electrical and Electronic Equipment Repairers
523	Electronic repairers, communications and industrial equipment (6151, 6153, 6155)
525	Data processing equipment repairers (6154)
526	Household appliance and power tool repairers (6156)
527	Telephone line installers and repairers (6157)
529	Telephone installers and repairers (6158)
533	Miscellaneous electrical and electronic equipment repairers (6152, 61
534	Heating, air conditioning, and refrigeration mechanics (616)
	Miscellaneous Mechanics and Repairers
535	Camera, watch, and musical instrument repairers (6171, 6172)
536	Locksmiths and safe repairers (6173)
538	Office machine repairers (6174)
539	Mechanical controls and valve repairers (6175)
543	Elevator installers and repairers (6176)
544	Millwrights (6178)
547	Specified mechanics and repairers, n.e.c. (6177, 6179)
549	Not specified mechanics and repairers
	Construction Trades
	Supervisors, construction occupations
553	Supervisors; brickmasons, stonemasons, and tile setters (6312)
554	Supervisors, carpenters and related workers (6313)
555	Supervisors, electricians and power transmission installers (6314)
556	Supervisors; painters, paperhangers, and plasterers (6315)
557	Supervisors; plumbers, pipefitters, and steamfitters (6316)
558	Supervisors, n.e.c. (6311, 6318)
	Construction Trades, Except Supervisors
563	Brickmasons and stonemasons (pt 6412, pt 6413)
564	Brickmason and stonemason apprentices (pt 6412, pt 6413)
565	Tile setters, hard and soft (6414, pt 6462)
566	Carpet installers (pt 6462)
Y(567)	Carpenters (pt 6422)
569	Carpenter apprentices (pt 6422)
573	Drywall installers (6424)

575 Electricians (pt 6432)
576 Electrician apprentices (pt 6432)
577 Electrical power installers and repairers (6433)
579 Painters, construction and maintenance (6442)
583 Paperhangers (6443)
584 Plasterers (6444)
585 Plumbers, pipefitters, and steamfitters (pt 645)
587 Plumber, pipefitter, and steamfitter apprentices (pt 645)
588 Concrete and terrazzo finishers (6463)
589 Glaziers (6464)
593 Insulation workers (6465)
594 Paving, surfacing, and tamping equipment operators (6466)
595 Roofers (6468)
596 Sheetmetal duct installers (6472)
597 Structural metal workers (6473)
598 Drillers, earth (6474)
599 Construction trades, n.e.c. (6467, 6475, 6476, 6479)

Extractive Occupations
613 Supervisors, extractive occupations (632)
614 Drillers, oil well (652)
615 Explosives workers (653)
616 Mining machine operators (654)
617 Mining occupations, n.e.c. (656)

Precision Production Occupations
633 Supervisors, production occupations (67, 71)
Precision Metal Working Occupations
634 Tool and die makers (pt 6811)
635 Tool and die maker apprentices (pt 6811)
636 Precision assemblers, metal (6812)
637 Machinists (pt 6813)
639 Machinist apprentices (pt 6813)
643 Boilermakers (6814)
644 Precision grinders, fitters, and tool sharpeners (6816)
645 Patternmakers and model makers, metal (6817)
646 Lay-out workers (6821)
647 Precious stones and metals workers (Jewelers) (6822, 6866)
649 Engravers, metal (6823)
653 Sheet metal workers (pt 6824)
654 Sheet metal worker apprentices (pt 6824)
655 Miscellaneous precision metal workers (6829)
Precision Woodworking Occupations
656 Patternmakers and model makers, wood (6831)
657 Cabinet makers and bench carpenters (6832)
658 Furniture and wood finishers (6835)
659 Miscellaneous precision woodworkers (6839)
Precision Textile, Apparel, and Furnishings Machine Workers
666 Dressmakers (pt 6852, pt 7752)
667 Tailors (pt 6852)
668 Upholsterers (6853)
669 Shoe repairers (6854)
673 Apparel and fabric patternmakers (6856)
674 Miscellaneous precision apparel and fabric workers (6859, pt 7752)

Precision Workers, Assorted Materials
675 Hand molders and shapers, except jewelers (6861)
676 Patternmakers, lay-out workers, and cutters (6862)
677 Optical goods workers (6864, pt 7477, pt 7677)
678 Dental laboratory and medical appliance technicians (6865)
679 Bookbinders (6844)
683 Electrical and electronic equipment assemblers (6867)
684 Miscellaneous precision workers, n.e.c. (6869)
Precision Food Production Occupations
686 Butchers and meat cutters (6871)
687 Bakers (6872)
688 Food batchmakers (6873, 6879)
Precision Inspectors, Testers, and Related Workers
689 Inspectors, testers, and graders (6881, 828)
693 Adjusters and calibrators (6882)
Plant and System Operators
694 Water and sewage treatment plant operators (691)
695 Power plant operators (pt 693)
696 Stationary engineers (pt 693, 7668)
699 Miscellaneous plant and system operators (692, 694, 695, 696)

OPERATORS, FABRICATORS, AND LABORERS

Machine Operators, Assemblers, and Inspectors

Machine Operators and Tenders, except Precision
Metalworking and Plastic Working Machine Operators
703 Lathe and turning machine set-up operators (7312)
704 Lathe and turning machine operators (7512)
705 Milling and planing machine operators (7313, 7513)
706 Punching and stamping press machine operators (7314, 7317, 7514, 7517)
707 Rolling machine operators (7316, 7516)
708 Drilling and boring machine operators (7318, 7518)
709 Grinding, abrading, buffing, and polishing machine operators (7322, 7324, 7522)
713 Forging machine operators (7319, 7519)
714 Numerical control machine operators (7326)
715 Miscellaneous metal, plastic, stone, and glass working machine operators (7329, 7529)
717 Fabricating machine operators, n.e.c. (7339, 7539)
Metal and Plastic Processing Machine Operators
719 Molding and casting machine operators (7315, 7342, 7515, 7542)
723 Metal plating machine operators (7343, 7543)
724 Heat treating equipment operators (7344, 7544)
725 Miscellaneous metal and plastic processing machine operators (7349, 7549)
Woodworking Machine Operators
726 Wood lathe, routing, and planing machine operators (7431, 7432, 7631, 7632
727 Sawing machine operators (7433, 7633)
728 Shaping and joining machine operators (7435, 7635)
729 Nailing and tacking machine operators (7636)
733 Miscellaneous woodworking machine operators (7434, 7439, 7634, 7639)

Printing Machine Operators

734 Printing machine operators (7443, 7643)
735 Photoengravers and lithographers (6842, 7444, 7644)
736 Typesetters and compositors (6841, 7642)
737 Miscellaneous printing machine operators (6849, 7449, 7649)

Textile, Apparel, and Furnishings Machine Operators

738 Winding and twisting machine operators (7451, 7651)
739 Knitting, looping, taping, and weaving machine operators (7452, 7652)
743 Textile cutting machine operators (7654)
744 Textile sewing machine operators (7655)
745 Shoe machine operators (7656)
747 Pressing machine operators (7657)
748 Laundering and dry cleaning machine operators (6855, 7658)
749 Miscellaneous textile machine operators (7459, 7659)

Machine Operators, Assorted Materials

753 Cementing and gluing machine operators (7661)
754 Packaging and filling machine operators (7462, 7662)
755 Extruding and forming machine operators (7463, 7663)
756 Mixing and blending machine operators (7664)
757 Separating, filtering, and clarifying machine operators (7476, 7666, 7676)
758 Compressing and compacting machine operators (7467, 7667)
759 Painting and paint spraying machine operators (7669)
763 Roasting and baking machine operators, food (7472, 7672)
764 Washing, cleaning, and pickling machine operators (7673)
765 Folding machine operators (7474, 7674)
766 Furnace, kiln, and oven operators, exc. food (7675)
768 Crushing and grinding machine operators (pt 7477, pt 7677)
769 Slicing and cutting machine operators (7478, 7678)
773 Motion picture projectionists (pt 7479)
774 Photographic process machine operators (6863, 6868, 7671)
777 Miscellaneous machine operators, n.e.c. (pt 7479, 7665, 7679)
779 Machine operators, not specified

Fabricators, Assemblers, and Hand Working Occupations

783 Welders and cutters (7332, 7532, 7714)
784 Solderers and brazers (7333, 7533, 7717)
785 Assemblers (772, 774)
786 Hand cutting and trimming occupations (7753)
787 Hand molding, casting, and forming occupations (7754, 7755)
789 Hand painting, coating, and decorating occupations (7756)
793 Hand engraving and printing occupations (7757)
794 Hand grinding and polishing occupations (7758)
795 Miscellaneous hand working occupations (7759)

Production Inspectors, Testers, Samplers, and Weighers

796 Production inspectors, checkers, and examiners (782, 787)
797 Production testers (783)
798 Production samplers and weighers (784)
799 Graders and sorters, exc. agricultural (785)

Transportation and Material Moving Occupations

	Motor Vehicle Operators
803	Supervisors, motor vehicle operators (8111)
Z(804)	Truck drivers, heavy (8212, 8213)
805	Truck drivers, light (8214)
806	Driver-sales workers (8218)
808	Bus drivers (8215)
809	Taxicab drivers and chauffeurs (8216)
813	Parking lot attendants (874)
814	Motor transportation occupations, n.e.c. (8219)
	Transportation Occupations, Except Motor Vehicles
	Rail Transportation Occupations
823	Railroad conductors and yardmasters (8113)
824	Locomotive operating occupations (8232)
825	Railroad brake, signal, and switch operators (8233)
826	Rail vehicle operators, n.e.c. (8239)
	Water Transportation Occupations
828	Ship captains and mates, except fishing boats (pt 8241, 8242)
829	Sailors and deckhands (8243)
833	Marine engineers (8244)
834	Bridge, lock, and lighthouse tenders (8245)
	Material Moving Equipment Operators
843	Supervisors, material moving equipment operators (812)
844	Operating engineers (8312)
845	Longshore equipment operators (8313)
848	Hoist and winch operators (8314)
849	Crane and tower operators (8315)
853	Excavating and loading machine operators (8316)
855	Grader, dozer, and scraper operators (8317)
856	Industrial truck and tractor equipment operators (8318)
859	Miscellaneous material moving equipment operators (8319)

Handlers, Equipment Cleaners, Helpers, and Laborers

863	Supervisors, handlers, equipment cleaners, and laborers, n.e.c. (85)
864	Helpers, mechanics and repairers (863)
	Helpers, Construction and Extractive Occupations
865	Helpers, construction trades (8641-8645, 8648)
866	Helpers, surveyor (8646)
867	Helpers, extractive occupations (865)
869	Construction laborers (871)
873	Production helpers (861, 862)
	Freight, Stock, and Material Handlers
875	Garbage collectors (8722)
876	Stevedores (8723)
877	Stock handlers and baggers (8724)
878	Machine feeders and offbearers (8725)
883	Freight, stock, and material handlers, n.e.c. (8726)
885	Garage and service station related occupations (873)
887	Vehicle washers and equipment cleaners (875)
888	Hand packers and packagers (8761)
889	Laborers, except construction (8769)

EXPERIENCED UNEMPLOYED NOT CLASSIFIED BY OCCUPATION

905	Last job Armed Forces
909	Last worked 1974 or earlier

PART II

U.S. DEPARTMENT OF COMMERCE

Bureau of the Census

1980 SOC AND EQUIVALENT 1980 CENSUS OCCUPATION CODES, WITH TITLES
(Listing in SOC order)

1980 SOC CODE	1980 CENSUS CODE	1980 CENSUS OCCUPATION TITLE
		MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS
111	003	Legislators
112	004	Chief executives and general administrators, public administration
1131	006	Administrators, protective services
1132-1139	005	Administrators and officials, public administration
121	pt. 019	Managers and administrators, n.e.c.
122	007	Financial managers
123	008	Personnel and labor relations manager
124	009	Purchasing managers
125	013	Managers, marketing, advertising, and public relations
126, 127	pt. 019	Managers and administrators, n.e.c.
128	014	Administrators, education and related fields
131	015	Managers, medicine and health
132, 133	pt. 019	Managers and administrators, n.e.c.
1344	017	Postmasters and mail superintendents
1353	016	Managers, properties and real estate
pt. 1359	018	Funeral directors
134-139 (exc. 1344, 1353 pt. 1359)	pt. 019	Managers and administrators, n.e.c
1412	023	Accountants and auditors
1414	024	Underwriters
1415, 1419	025	Other financial officers
142	026	Management analysts
143	027	Personnel, training and labor relations specialists
1442	029	Buyers, wholesale and retail trade, exc. farm products
1443	028	Purchasing agents and buyers, farm products
1449	033	Purchasing agents and buyers, n.e.c.

N.e.c. - not elsewhere classified

1980 SOC CODE	1980 CENSUS CODE	1980 CENSUS OCCUPATION TITLE
145	034	Business and promotion agents
1472	035	Construction inspectors
1473	036	Inspectors and compliance officers, exc. construction
149	037	Management related occupations, n.e.c.
161	043	Architects
1622	044	Aerospace engineers
1623	045	Metallurgical and materials engineers
1624	046	Mining engineers
1625	047	Petroleum engineers
1626	048	Chemical engineers
1627	049	Nuclear engineers
1628	053	Civil engineers
1632	054	Agricultural engineers
1633	pt. 055	Electrical and electronic engineers
1634	056	Industrial engineers
1635	057	Mechanical engineers
1636	pt. 055	Electrical and electronic engineers
1637	058	Marine engineers and naval architects
1639	059	Engineers, n.e.c.
164	063	Surveyors and mapping scientists
171	064	Computer scientists and systems analysts
172	065	Operations and systems researchers and analysts
1732	066	Actuaries
1733	067	Statisticians
1739	068	Mathematical scientists, n.e.c.
1842, 1843	069	Physicists and astronomers
1845	073	Chemists, except biochemists
1846	074	Atmospheric and space scientists
1847	075	Geologists and geodesists
1849	076	Physical scientists, n.e.c.
1852	079	Forestry and conservation scientists
1853	077	Agricultural and food scientists
1854	078	Biological and life scientists
1855	083	Medical scientists
1912	166	Economists
1913	pt. 169	Social scientists, n.e.c.
1914	pt. 169	Social scientists, n.e.c.
1915	167	Psychologists
1916	168	Sociologists
1919	pt. 169	Social scientists, n.e.c.
192	173	Urban planners

1980 SOC CODE	1980 CENSUS CODE	1980 CENSUS OCCUPATION TITLE
2032	174	Social workers
2033	175	Recreation workers
2042	176	Clergy
2049	177	Religious workers, n.e.c.
211	178	Lawyers
212	179	Judges
2212	113	Earth, environmental, and marine science teachers
2213	114	Biological science teachers
2214	115	Chemistry teachers
2215	116	Physics teachers
2216	117	Natural science teachers, n.e.c.
2217	118	Psychology teachers
2218	119	Economics teachers
2222	123	History teachers
2223	124	Political science teachers
2224	125	Sociology teachers
2225	126	Social sciences teachers, n.e.c.
2226	127	Engineering teachers
2227	128	Mathematical science teachers
2228	129	Computer science teachers
2231	133	Medical science teachers
2232	134	Health specialties teachers, n.e.c.
2233	135	Business, commerce, and marketing teachers
2234	136	Agriculture and forestry teachers
2235	137	Art, drama, and music teachers
2236	138	Physical education teachers
2237	139	Education teachers
2238	143	English teachers
2242	144	Foreign language teachers
2243	145	Law teachers
2244	146	Social Work teachers
2245	147	Theology teachers
2246	148	Trade and industrial teachers
2247	149	Home economics teachers
2249	153	Teachers, postsecondary, n.e.c.
231	155	Teachers, prekindergarten and kindergarten
232	N (156)	Teachers; elementary school
233	P (157)	Teachers; secondary school
235	158	Teachers, special education
236, 239	159	Teachers, n.e.c.
24	163	Counselors, educational and vocational
251	164	Librarians
252	165	Archivists and curators
261	084	Physicians

1980 SOC CODE	1980 CENSUS CODE	1980 CENSUS OCCUPATION TITLE
262	085	Dentists
27	086	Veterinarians
281	087	Optometrists
283	088	Podiatrists
289	089	Health diagnosing practitioners, n.e.c.
29	095	Registered nurses
301	096	Pharmacists
302	097	Dietitians
3031	098	Inhalation therapists
3032	099	Occupational therapists
3033	103	Physical therapists
3034	104	Speech therapists
3039	105	Therapists, n.e.c.
304	106	Physicians' assistants
321	183	Authors
322	185	Designers
323	186	Musicians and composers
324	187	Actors and directors
325	188	Painters, sculptors, craft-artists and artist-print makers
326	189	Photographers
327	193	Dancers
328, 329	194	Artists, performers, and related workers, n.e.c.
331	195	Editors and reporters
332	197	Public relations specialists
333	198	Announcers
34	199	Athletes
		TECHNICAL, SALES AND ADMINISTRATIVE SUPPORT OCCUPATIONS
362	203	Clinical laboratory technologists and technicians
363	204	Dental hygienists
364	205	Health record technologists and technicians
365	206	Radiologic technicians
366	207	Licensed practical nurses
369	208	Health technologists and technicians, n.e.c.
3711	213	Electrical and electronic technicians
3712	214	Industrial engineering technicians
3713	215	Mechanical engineering technicians
3719	216	Engineering technicians, n.e.c.
372	217	Drafting occupations
373	218	Surveying and mapping technicians

1980 SOC CODE	1980 CENSUS CODE	1980 CENSUS OCCUPATION TITLE
382	223	Biological technicians
3831	224	Chemical technicians
3832, 3833 384, 389	225	Science technicians, n.e.c.
392	227	Air traffic controllers
393	228	Broadcast equipment operators
396	234	Legal assistants
3971, 3972	229	Computer programmers
3974	233	Tool programmers, numerical control
398	184	Technical writers
399	235	Technicians, n,e.c.
40	243	Supervisors and proprietors, sales occupations
4122	253	Insurance sales occupations
4123	254	Real estate sales occupations
4124	255	Securities and financial services sales occupations
4152	257	Sales occupations, other business services
4153	256	Advertising and related sales occupations
421	258	Sales engineers
423, 424	259	Sales representatives, mining, manufacturing, and wholesale
4342	pt. 263	Sales workers; motor vehicles and boats
4343	pt. 267	Sales workers; radio, TV, hi-fi, and appliances
4344	pt. 263	Sales workers; motor vehicles and boats
4345	pt. 274	Sales workers; other commodities
4346	264	Sales workers; apparel
4347	pt. 274	Sales workers; other commodities
4348	266	Sales workers; furniture and home furnishings
4351	265	Sales workers; shoes
4352	pt. 267	Sales workers; radio, TV, hi-fi, and appliances
4353	268	Sales workers; hardware and building supplies
4354, 4356 4359, 4362	pt. 274	Sales workers; other commodities
4363	275	Sales counter clerks
4364	Q (276)	Cashiers
4365	278	News vendors
4366	277	Street and door-to-door sales workers
4367	269	Sales workers, parts
4369	pt. 274	Sales workers; other commodities

1980 SOC CODE	1980 CENSUS CODE	1980 CENSUS OCCUPATION TITLE
444	pt. 285	Sales support occupations, n.e.c.
445	283	Demonstrators, promoters and models, sales
446	pt. 285	Sales support occupations, n.e.c.
447	284	Auctioneers
449	pt. 285	Sales support occupations, n.e.c.
4511	pt. 303	Supervisors, general office
4512	304	Supervisors, computer equipment operators
4513, 4514 4516, 4519	pt. 303	Supervisors, general office
4521	305	Supervisors, financial records processing
4522	pt. 307	Supervisors; distribution, scheduling, and adjusting clerks
4523	306	Chief communications operators
4524-4528	pt. 307	Supervisors; distribution, scheduling, and adjusting clerks
4529	pt. 303	Supervisors, general office
4612	308	Computer operators
4613	309	Peripheral equipment operators
4622	R (313)	Secretaries
4623	314	Stenographers
4624	315	Typists
463	379	General office clerks
4642	316	Interviewers
4643	317	Hotel clerks
4644	318	Transportation ticket and reservation agents
4645	319	Receptionists
4649	323	Information clerks, n.e.c.
4662	325	Classified-ad clerks
4663	326	Correspondence clerks
4664	327	Order clerks
4692	328	Personnel clerks, except payroll and time keeping
4694	329	Library clerks
4696	335	File clerks
4699	336	Records clerks
4712	S (337)	Bookkeepers, accounting, and auditing clerks
4713	338	Payroll and timekeeping clerks
4715	339	Billing clerks
4716	343	Cost and rate clerks
4718	344	Billing, posting, and calculating machine operators

1980 SOC CODE	1980 CENSUS CODE	1980 CENSUS OCCUPATION TITLE
4722	345	Duplicating machine operators
4723	346	Mail preparing and paper handling machine operators
4729	347	Office machine operators, n.e.c.
4732	348	Telephone operators
4733	349	Telegraphers
4739	353	Communications equipment operators, n.e.c.
4742	354	Postal clerks, exc. mail carriers
4743	355	Mail carriers, postal service
4744	356	Mail clerks, exc. postal service
4745	357	Messengers
4751	359	Dispatchers
4752	363	Production coordinators
4753	364	Traffic, shipping, and receiving clerks
4754	365	Stock and inventory clerks
4755	366	Meter readers
4756	368	Weighers, measurers, and checkers
4757	369	Samplers
4758	373	Expediters
4759	374	Material recording, scheduling, and distributing clerks, n.e.c.
4782	375	Insurance adjusters, examiners, and investigators
4783	376	Investigators and adjusters; except insurance
4784	377	Eligibility clerks, social welfare
4786	378	Bill and account collectors
4787	pt. 389	Administrative support occupations, n.e.c.
4791	383	Bank tellers
4792	384	Proofreaders
4793	385	Data-entry keyers
4794	386	Statistical clerks
4795	387	Teachers' aides
4799	pt. 389	Administrative support occupations, n.e.c.

1980 SOC CODE	1980 CENSUS CODE	1980 CENSUS OCCUPATION TITLE
		SERVICE OCCUPATIONS
502	pt. T (407)	Private household cleaners and servants
503	403	Launders and ironers
504	404	Cooks, private household
505	405	Housekeepers and butlers
506	406	Child care workers, private household
507, 509	pt. T (407)	Private household cleaners and servants
5111	413	Supervisors, firefighting and fire prevention occupations
5112	414	Supervisors, police and detectives
5113	415	Supervisors, guards
5122	416	Fire inspection and fire prevention occupations
5123	417	Firefighting occupations
5132	418	Police and detectives, public service
5133	424	Correctional institution officers
5134	423	Sheriffs, bailiffs, and other law enforcement officers
5142	425	Crossing guards
5144	426	Guards and police, exc. public service
5149	427	Protective service occupations, n.e.c.
5211	433	Supervisors, food preparation and service occupation
5212	434	Bartenders
5213	U (435)	Waiters and waitresses
5214	436	Cooks, except short order
5215	437	Short-order cooks
5216	438	Food counter, fountain and related occupations
5217	439	Kitchen workers, food preparation
5218	443	Waiters'/waitresses' assistants
5219	444	Miscellaneous food preparation occupations
5232	445	Dental assistants
5233	446	Health aides, except nursing
5236	447	Nursing aides, orderlies, and attendants

1980 SOC CODE	1980 CENSUS CODE	1980 CENSUS OCCUPATION TITLE
5241	448	Supervisors, cleaning and building service workers
5242	pt. 449	Maids and housemen
5244	V (453)	Janitors and cleaners
5245	454	Elevator operators
5246	455	Pest control occupations
5249	pt. 449	Maids and housemen
5251	456	Supervisors, personal service occupations
5252	457	Barbers
5253	458	Hairdressers and cosmetologists
5254	459	Attendants, amusement and recreation facilities
5255	463	Guides
5256	464	Ushers
5257	465	Public transportation attendants
5258	pt. 469	Personal service occupations, n.e.c.
5262	466	Baggage porters and bellhops
5263	467	Welfare service aides
5264	468	Child care workers, exc. private household
5269	pt. 469	Personal service occupations, n.e.c.
		FARMING, FORESTRY, AND FISHING OCCUPATIONS
5512-5514	W (473)	Farmers, except horticultural
5515	474	Horticultural specialty farmers
5522-5524	475	Managers, farm, except horticultural
5525	476	Managers, horticultural specialty farms
5611	477	Supervisors, farm workers
5612-5617	479	Farm workers
5618	483	Marine life cultivation workers
5619	484	Nursery workers
5621	485	Supervisors, related agricultural occupations
5622	486	Groundskeepers and gardeners, except farm
5624	487	Animal caretakers, except farm
5625	488	Graders and sorters, agricultural products
5627	489	Inspectors, agricultural products

1980 SOC CODE	1980 CENSUS CODE	1980 CENSUS OCCUPATION TITLE
571	494	Supervisors, forestry and logging workers
572	495	Forestry workers, except logging
573, 579	496	Timber cutting and logging occupations
583	498	Fishers
584	499	Hunters and trappers
		PRECISION PRODUCTION, CRAFT AND REPAIR OCCUPATIONS
60	503	Supervisors, mechanics and repairers
pt. 6111	X (505)	Automobile mechanics
pt. 6111	506	Automobile mechanic apprentices
6112	507	Bus, truck and stationary engine mechanics
6113	508	Aircraft engine mechanics
6114	509	Small engine repairers
6115	514	Automobile body and related repairers
6116	515	Aircraft mechanics, exc. engine
6117	516	Heavy equipment mechanics
6118	517	Farm equipment mechanics
613	518	Industrial machinery repairers
614	519	Machinery maintenance occupations
6151	pt. 523	Electronic repairers, communications and industrial equipment
6152	pt. 533	Miscellaneous electrical and electronic equipment repairers
6153	pt. 523	Electronic repairers communications and industrial equipment
6154	525	Data processing equipment repairers
6155	pt. 523	Electronic repairers, communications and industrial equipment
6156	526	Household appliance and power tool repairers
6157	527	Telephone line installers and repairers
6158	529	Telephone installers and repairers
6159	pt. 533	Miscellaneous electrical and electronic equipment repairers
616	534	Heating, air conditioning, and refrigeration mechanics

1980 SOC CODE	1980 CENSUS CODE	1980 CENSUS OCCUPATION TITLE
6171, 6172	535	Camera, watch, and musical instrument repairers
6173	536	Locksmiths and safe repairers
6174	538	Office machine repairers
6175	539	Mechanical controls and valve repairers
6176	543	Elevator installers and repairers
6177	pt. 547	Specified mechanics and repairers, n.e.c.
6178	544	Millwrights
6179	pt. 547	Specified mechanics and repairers,
6311	pt. 558	Supervisors, n.e.c.
6312	553	Supervisors; brickmasons, stonemasons, and tile setters
6313	554	Supervisors, carpenters and related workers
6314	555	Supervisors, electricians and power transmission installers
6315	556	Supervisors; painters, paperhangers, and plasterers
6316	557	Supervisors; plumbers, pipefitters, and steamfitters
6318	pt. 558	Supervisors, n.e.c.
632	613	Supervisors, extractive occupations
pt. 6412, pt 6413	563	Brickmasons and stonemasons
pt. 6412, pt 6413	564	Brickmasons and stonemasons apprentices
6414	pt. 565	Tile setters, hard and soft
pt. 6422	Y (567)	Carpenters
pt. 6422	569	Carpenter apprentices
6424	573	Drywall installers
pt. 6432	575	Electricians
pt. 6432	576	Electrician apprentices
6433	577	Electrical power installers and repairers
6442	579	Painters, construction and maintenance
6443	583	Paperhangers
6444	584	Plasterers
pt. 645	585	Plumbers, pipefitters, and steamfitters
pt. 645	587	Plumber, pipefitter, and steamfitter apprentices

1980 SOC CODE	1980 CENSUS CODE	1980 CENSUS OCCUPATION TITLE
pt. 6462	565	Tile setters, hard and soft
pt. 6462	566	Carpet installers
6463	588	Concrete and terrazzo finishers
6464	589	Glaziers
6465	593	Insulation workers
6466	594	Paving, surfacing, and tamping equipment operators
6467	pt. 599	Construction trades, n.e.c.
6468	595	Roofers
6472	596	Sheetmetal duct installers
6473	597	Structural metal workers
6474	598	Drillers, earth
6475, 6476 6479	pt. 599	Construction trades, n.e.c.
652	614	Drillers, oil well
653	615	Explosives workers
654	616	Mining machine operators
656	617	Mining occupations, n.e.c.
67	pt. 633	Supervisors, production occupations
pt. 6811	634	Tool and die makers
pt. 6811	635	Tool and die maker apprentices
6812	636	Precision assemblers, metal
pt. 6813	637	Machinists
pt. 6813	639	Machinist apprentices
6814	643	Boilermakers
6816	644	Precision grinders, fitters, and tool sharpeners
6817	645	Patternmakers and model makers, metal
6821	646	Lay-out workers
6822	pt. 647	Precious stones and metals workers (Jewelers)
6823	649	Engravers, metal
pt. 6824	653	Sheet metal workers
pt. 6824	654	Sheet metal worker apprentices
6829	655	Miscellaneous precision metal workers
6831	656	Patternmakers and model makers, wood
6832	657	Cabinet makers and bench carpenters
6835	658	Furniture and wood finishers
6839	659	Miscellaneous precision woodworkers
6841	pt. 736	Typesetters and compositors
6842	pt. 735	Photoengravers and lithographers
6844	679	Bookbinders
6849	pt. 737	Miscellaneous printing machine operators
pt. 6852	pt. 666	Dressmakers
pt. 6852	667	Tailors

1980 SOC CODE		1980 CENSUS CODE	1980 CENSUS OCCUPATION TITLE
			OPERATORS, FABRICATORS, AND LABORERS
7312		703	Lathe and turning machine set-up operators
	7512	704	Lathe and turning machine operators
7313	7513	705	Milling and planing machine operators
7314, 7317	7514, 7517	706	Punching and stamping press machine operators
7316	7516	707	Rolling machine operators
7318	7518	708	Drilling and boring machine operators
7322, 7324	7522	709	Grinding, abrading, buffing, and polishing machine operators
7319	7519	713	Forging machine operators
7326		714	Numerical control machine operators
7329	7529	715	Miscellaneous metal, plastic, stone, and glass working machine operators
7339	7539	717	Fabricating machine operators, n.e.c.
7315, 7342	7515, 7542	719	Molding and casting machine operators
7332, 7532	7714	783	Welders and cutters
7333, 7533	7717	784	Solderers and brazers
7343	7543	723	Metal plating machine operators
7344	7544	724	Heat treating equipment operators
7349	7549	725	Miscellaneous metal and plastic processing machine operators
7431, 7432	7631, 7632	726	Wood lathe, routing, and planing machine operators
7433	7633	727	Sawing machine operators
7434, 7439	7634, 7639	733	Miscellaneous woodworking machine operators
7435	7635	728	Shaping and joining machine operators
	7636	729	Nailing and tacking machine operators
7443	7643	734	Printing machine operators
7444	7644	pt. 735	Photoengravers and lithographers
	7642	pt. 736	Typesetters and compositors
7449	7649	pt. 737	Miscellaneous printing machine operators
7451	7651	738	Winding and twisting machine operators
7452	7652	739	Knitting, looping, taping, and weaving machine operators
	7654	743	Textile cutting machine operators
	7655	744	Textile sewing machine operators
	7656	745	Shoe machine operators
	7657	747	Pressing machine operators
	7658	pt. 748	Laundering and dry cleaning machine operators
7459	7659	749	Miscellaneous textile machine operators

1980 SOC CODE		1980 CENSUS CODE	1980 CENSUS OCCUPATION TITLE
	7661	753	Cementing and gluing machine operators
7462	7662	754	Packaging and filling machine operators
7463	7663	755	Extruding and forming machine operators
	7664	756	Mixing and blending machine operators
7467	7667	758	Compressing and compacting machine operators
	7668	pt. 698	Stationary engineers
	7669	759	Painting and paint spraying machine operators
	7671	pt. 774	Photographic processing machine operators
7472	7672	763	Roasting and baking machine operators, food
	7673	764	Washing, cleaning, and pickling machine operators
7474	7674	765	Folding machine operators
	7675	766	Furnace, kiln, and oven operators
7476	7666, 7676	757	Separating, filtering, and clarifying machine operators
pt. 7477	pt. 7677	pt. 677	Optical goods workers
pt. 7477	pt. 7677	768	Crushing and grinding machine operators
7478	7678	769	Slicing and cutting machine operators
pt. 7479		773	Motion picture projectionists
pt. 7479	7665,7679	777	Miscellaneous machine operators, n.e.c.
	772, 774	785	Assemblers
	pt. 7752	pt. 666	Dressmakers
	pt. 7752	pt. 674	Miscellaneous precision apparel and fabric workers
	7753	786	Hand cutting and trimming occupations
	7754, 7755	787	Hand molding, casting, and forming occupations
	7756	789	Hand painting, coating, and decorating occupations
	7757	793	Hand engraving and printing occupations
	7758	794	Hand grinding and polishing occupations
	7759	795	Miscellaneous hand working occupations
	782, 787	796	Production inspectors, checkers, and examiners
	783	797	Production testers
	784	798	Production samplers and weighers
	785	799	Graders and sorters, exc. agricultural
	8111	803	Supervisors, motor vehicle operators
	8113	823	Railroad conductors and yardmasters
	812	843	Supervisors, material moving equipment operators

1980 SOC CODE	1980 CENSUS CODE	1980 CENSUS OCCUPATION TITLE
8212, 8213	Z (804)	Truck drivers, heavy
8214	805	Truck drivers, light
8215	808	Bus drivers
8216	809	Taxicab drivers and chauffers
8218	806	Driver-sales workers
8219	814	Motor transportation occupation, n.e.c.
8232	824	Locomotive operating operations
8233	825	Railroad brake, signal, and switch operators
8239	826	Rail vehicle operators, n.e.c.
pt. 8241	497	Captains and other officers, fishing vessels
pt. 8241, 8242	828	Ship captains and mates, exc. fishing boats
8243	829	Sailors and deckhands
8244	833	Marine engineers
8245	834	Bridge, lock, and lighthouse tenders
825	226	Airplane pilots and navigators
828	pt. 689	Inspectors, testers and graders
8312	844	Operating engineers
8313	845	Longshore equipment operators
8314	848	Hoist and winch operators
8315	849	Crane and tower operators
8316	853	Excavating and loading machine operators
8317	855	Grader, dozer, and scraper operators
8318	856	Industrial truck and tractor equipment operators
8319	859	Miscellaneous material moving equipment operators
85	863	Supervisors, handlers, equipment cleaners, and laborers, n.e.c.
861, 862	873	Production helpers
863	864	Helpers, mechanics and repairers
864 (exc. 8646)	865	Helpers, construction trades
8646	856	Helpers, surveyor
865	867	Helpers, extractive occupations
871	869	Construction laborers
8722	875	Garbage collectors
8723	876	Stevedores
8724	877	Stock handlers and baggers
8725	878	Machine feeders and offbearers
8726	883	Freight, stock, and material handlers, n.e.c.
873	885	Garage and service station related occupations
874	813	Parking lot attendants
875	887	Vehicle washers and equipment cleaners
8761	888	Hand packers and packagers
8769	889	Laborers, except construction

1980 SOC CODE	1980 CENSUS CODE	1980 CENSUS OCCUPATION TITLE
6853	668	Upholsterers
6854	669	Shoe repairers
6855	pt. 748	Laundering and dry cleaning machine operators
6856	673	Apparel and fabric pattern makers
6859	pt. 674	Miscellaneous precision apparel and fabric workers
6861	675	Hand molders and shapers, except jewelers
6862	676	Patternmakers, lay-out workers, and cutters
6863	pt. 774	Photographic process machine operators
6864	pt. 677	Optical goods workers
6865	678	Dental laboratory and medical appliance technicians
6866	pt. 647	Precious stones and metals workers (Jewelers)
6867	683	Electrical and electronic equipment assemblers
6868	pt. 774	Photographic process machine operators n.e.c.
6869	684	Miscellaneous precision workers, n.e.c.
6871	685	Butchers and meat cutters
6872	687	Bakers
6873, 6879	688	Food batchmakers
6881	pt. 689	Inspectors, testers, and graders
6882	693	Adjusters and calibrators
691	694	Water and sewage treatment plant operators
692	pt. 699	Miscellaneous plant and system operators
pt. 693	695	Power plant operators
pt. 693	pt. 696	Stationary engineers
694-696	pt. 699	Miscellaneous plant and system operators
71	pt. 633	Supervisors, production occupations

REFERENCE I

Standard Industrial Classification (SIC)

This reference displays the list of division, two-digit and three-digit codes and titles from the Standard Industrial Classification (SIC) that are used in various sources of data described in the VPO. All codes are from the 1972 Edition of the Standard Industrial Classification Manual.[42]

The 1972 SIC provides the industry structure for the 1980 Census of Population and the OES survey and survey-based matrix, with the exception of of the government industry sectors. The SIC definition for public administration includes the legislative, judicial, administrative and regulatory activities of Federal, State, local and international governments. Government owned and operated business establishments are classified by the SIC in industry categories according to the activity in which they are engaged. The OES program, however, includes all functions of government in its data files for Federal, State and local government. Surveys of other industries include only the private sector activities. For example, a privately owned and operated electric utility is included in SIC 49, while a publicly owned and operated electric utility is included by the OES program in the government employment data.

The following is a brief adapted explanation of the SIC from the 1972 Edition of the Standard Industrial Classification Manual.

Background

The Standard Industrial Classification was developed for use in the classification of establishments by type of activity in which they are engaged; for purposes of facilitating and promoting uniformity and comparability in the presentation of statistical data collected by various agencies of the United States Government, State agencies, trade associations, and private research organizations. The Standard Industrial Classification for establishments differs from a classification for enterprises or companies. A Standard Enterprise Classification related to the Standard Industrial Classification has been developed for use in classifying enterprises. Other classifications have been developed for use in the classification of commodities or products and also for occupations.

The Standard Industrial Classification is intended to cover the entire field of economic activities: agriculture, forestry, fishing, hunting and trapping; mining; construction; manufacturing; transportation, communication, electric, gas and sanitary services;

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[42] Executive Office of the President, Office of Management and Budget, Standard Industrial Classification Manual (Washington: U.S. Government Printing Office, 1972) pp. 9-13.

wholesale and retail trade; finance, insurance, and real estate; personal, business, repair and other services; and public administration. In preparing the Classification, the Technical Committee on Industrial Classification was guided by the following general principles:

1. The Classification should conform to the existing structure of American industry.
2. Each establishment is to be classified according to its primary activity.
3. To be recognized as an industry, the group of establishments constituting the proposed classification must be statistically significant in the number of persons employed, the volume of business done, and other measures of economic activity.

For the purpose of this classification, an establishment is an economic unit, generally at a single physical location, where business is conducted or where services or industrial operations are performed.

Standard Industrial Classification Structure

The structure of the classification makes it possible to tabulate, analyze, and publish establishment data on a division, a two-digit, a three-digit, or a four-digit industry code basis according to the level of industrial detail considered most appropriate. An agency may use additional subdivisions within specific four-digit industries in adopting this classification for its own use, while still retaining comparability with the classifications used by other agencies.

It should be noted that the nine "9" that usually appears in the third- or fourth-digit position in the classification code designates miscellaneous three-digit groups or four-digit industries covering establishments "not elsewhere classified." These residual establishments do not usually constitute homogeneous primary activity groups; for purposes of this classification system they are grouped together and treated as a separate industry to retain the homogeneity of the other industries in the group.

All establishments primarily engaged in the same kind of economic activity are classified in the same four-digit industry, regardless of their types of ownership; hence, their owners may include such diverse legal organizations as corporations, partnerships, individual proprietors, government agencies, joint ventures, etc.

Each establishment is assigned an industry code on the basis of its primary activity which is determined by its principal product or group of products produced or distributed or services rendered. Ideally, the principal product or service should be determined by its relative share of "value added" at the establishment. In practice, however, it is rarely possible to obtain this measure for individual products or services; typically, it is necessary to adopt some other criterion which may be expected to give approximately the same results in determining the primary activity of an establishment. It is recommended, therefore, that when available the following data measure be used for each of the major economic sectors in assigning industry codes:

Division	Data Measure
Agriculture, forestry, and fishing, hunting, and trapping (except agricultural services)	Value of production
Mining	Value of production
Construction	Value of production
Manufacturing	Value of production
Transportation, communication, electric gas, and sanitary services	Value of receipts or revenues
Wholesale trade	Value of sales
Retail trade	Value of sales
Finance, insurance and real estate	Value of receipts
Services (including agricultural services)	Value of receipts or revenues
Public administration	Employment or payroll

Even though a data collecting organization may have no immediate need to analyze or publish establishment data at the four-digit industry level of classification, it may nevertheless be useful to assign four-digit codes to each establishment report wherever the information is available and the incremental cost of such classification is not excessive. The four-digit code assignment should be made directly on the basis of the primary products, services, or activities reported by each establishment at the four-digit industry level of detail. It is possible for the classification of an establishment, based on its primary activity at the two- or three-digit level, to differ from that assigned on the basis of its primary activity at the four-digit level.

Data Uses, Limitations or Issues

The SIC is the structure used to classify the firms and establishments surveyed through the OES program. In turn, the SIC categories are utilized to define industries in the OES survey-based matrix and the State and area projections. The SIC also is used by governmental organizations and trade and professional organizations to compile statistics supplementing those provided by the Federal Government, by industrial business firms to classify their customers and by marketing research companies to define the type of industry studied.

Statistics classified by industry can be used to show the current industrial composition of a geographical area, how the economic health of these industries has done over the last year and to indicate the emerging and rapidly growing industries. All of this information is useful in projecting occupational needs and in planning accordingly.

A. AGRICULTURE, FORESTRY, AND FISHING

01 AGRICULTURAL PRODUCTION-CROPS

011 Cash Grains
013 Field Crops, Except Cash Grains
016 Vegetables and Melons
017 Fruits and Tree Nuts
018 Horticultural Specialties
019 General Farms, Primarily Crop

02 AGRICULTURAL PRODUCTION-LIVESTOCK

021 Livestock, Except Dairy, Poultry, and Animal Specialties
024 Dairy Farms
025 Poultry and Eggs
027 Animal Specialties
029 General Farms, Primarily Livestock

07 AGRICULTURAL SERVICES

071 Soil Preparation Services
072 Crop Services
074 Veterinary Services
075 Animal Services, Except Veterinary
076 Farm Labor and Management Services
078 Landscape and Horticultural Services

08 FORESTRY

081 Timber Tracts
082 Forest Nurseries and Tree Seed Gathering and Extracting
084 Gathering of Miscellaneous Forest Products, Except Tree Seeds
085 Forestry Services

09 FISHING, HUNTING, AND TRAPPING

091 Commercial Fishing
092 Fish Hatcheries and Preserves
097 Hunting and Trapping, and Game Propagation

B. MINING

10 METAL MINING

101 Iron Ores
102 Copper Ores
103 Lead and Zinc Ores
104 Gold and Silver Ores
105 Bauxite and Other Aluminum Ores
106 Ferroalloy Ores, Except Vanadium
108 Metal Mining Services
109 Miscellaneous Metal Ores

11 ANTHRACITE MINING

111 Anthracite Mining

12 BITUMINOUS COAL AND LIGNITE MINING

121 Bituminous Coal and Lignite Mining

13 OIL AND GAS EXTRACTION

131 Crude Petroleum and Natural Gas
132 Natural Gas Liquids
138 Oil and Gas Field Services

14 MINING AND QUARRYING OF NON-METALLIC MINERALS, EXCEPT FUELS

141 Dimension Stone
142 Crushed and Broken Stone, Including Riprap
144 Sand and Gravel
145 Clay, Ceramic, and Refractory Minerals
147 Chemical and Fertilizer Mineral Mining
148 Nonmetallic Minerals (Except Fuels) Services
149 Miscellaneous Nonmetallic Minerals, Except Fuels

C. CONSTRUCTION

15 BUILDING CONSTRUCTION-GENERAL CONTRACTORS AND OPERATIVE BUILDERS

152 General Building Contractors-Residential Buildings

153 Operative Builders
154 General Building Contractors-Nonresidential Buildings

16 CONSTRUCTION OTHER THAN BUILDING CONSTRUCTION-GENERAL CONTRACTORS

161 Highway and Street Construction Except Elevated Highways
162 Heavy Construction, Except Highway and Street Construction

17 CONSTRUCTION-SPECIAL TRADE CONTRACTORS

171 Plumbing, Heating (Except Electric), and Air Conditioning
172 Painting, Paper Hanging, and Decorating
173 Electrical Work
174 Masonry, Stonework, Tile Setting, and Plastering
175 Carpentering and Flooring
176 Roofing and Sheet Metal Work
177 Concrete Work
178 Water Well Drilling
179 Miscellaneous Special Trade Contractors

D. MANUFACTURING

20 FOOD AND KINDRED PRODUCTS

201 Meat Products
202 Dairy Products
203 Canned and Preserved Fruits and Vegetables
204 Grain Mill Products
205 Bakery Products
206 Sugar and Confectionery Products
207 Fats and Oils
208 Beverages
209 Miscellaneous Food Preparations and Kindred Products

21 TOBACCO MANUFACTURERS

211 Cigarettes
212 Cigars
213 Tobacco (Chewing and Smoking) and Snuff
214 Tobacco Stemming and Redrying

22 TEXTILE MILL PRODUCTS

221 Broad Woven Fabric Mills, Cotton
222 Broad Woven Fabric Mills, Man-made Fiber and Silk
223 Broad Woven Fabric Mills, Wool (Including Dyeing and Finishing)
224 Narrow Fabrics and Other Smallwares Mills: Cotton, Wool, Silk, and Man-made Fiber
225 Knitting Mills
226 Dyeing and Finishing Textiles, Except Wool Fabrics and Knit Goods
227 Floor Covering Mills
228 Yarn and Thread Mills
229 Miscellaneous Textile Goods

23 APPAREL AND OTHER FINISHED PRODUCTS MADE FROM FABRICS AND SIMILAR MATERIALS

231 Men's, Youths', and Boys' Suits, Coats and Overcoats
232 Men's, Youths', and Boys' Finishings, Work Clothing, and Allied Garments
233 Women's, Misses', and Juniors Outerwear
234 Women's, Misses', Children's, and Infants' Undergarments
235 Hats, Caps, and Millinery
236 Girls', Children's and Infants' Outerwear
237 Fur Goods
238 Miscellaneous Apparel and Accessories
239 Miscellaneous Fabricated Textile Products

24 LUMBER AND WOOD PRODUCTS, EXCEPT FURNITURE

241 Logging Camps and Logging Contractors
242 Sawmills and Planing Mills
243 Millwork, Veneer, Plywood and Structural Wood Members
244 Wood Containers
245 Wood Buildings and Mobile Homes
249 Miscellaneous Wood Products

25 FURNITURE AND FIXTURES

251 Household Furniture
252 Office Furniture
253 Public Building and Related Furniture
254 Partitions, Shelving, Lockers, and Office and Store Fixtures
259 Miscellaneous Fixture and Fixtures

26 PAPER AND ALLIED PRODUCTS

261 Pulp Mills
262 Paper Mills, Except Building Paper Mills
263 Paperboard Mills
264 Converted Paper and Paperboard Products, Except Containers and Boxes
265 Paperboard Containers and Boxes
266 Building Paper and Building Board Mills

27 PRINTING, PUBLISHING, AND ALLIED INDUSTRIES

271 Newspapers: Publishing, Publishing and Printing
272 Periodicals: Publishing, Publishing and printing
273 Books
274 Miscellaneous Publishing
275 Commercial Printing
276 Manifold Business Forms
277 Greeting Card Publishing
278 Blankbooks, Looseleaf Binders, and Bookbinding and Related Work
279 Service Industries for the Printing Trade

28 CHEMICALS AND ALLIED PRODUCTS

281 Industrial Inorganic Chemicals
282 Plastics Materials and Syntethic Resins, Syntethic Rubber, Syntethic and Other Man-Made Fibers, Except Glass
283 Drugs
284 Soap, Detergents, and Cleaning Preparations, Perfumes, Cosmetics, and Other Toilet Preparations
285 Paints, Varnishes, Lacquers, Enamels, and Allied Products
286 Industrial Organic Chemicals
287 Agricultural Chemicals
289 Miscellaneous Chemical Products

29 PETROLEUM REFINING AND RELATED INDUSTRIES

291 Petroleum Refining
295 Paving and Roofing Materials
299 Miscellaneous Products of Petroleum and Coal

30 RUBBER AND MISCELLANEOUS PLASTICS PRODUCTS

301 Tires and Inner Tubes
302 Rubber and Plastics Footwear
303 Reclaimed Rubber
304 Rubber and Plastics Hose and Belting
306 Fabricated Rubber Products, Not Elsewhere Classified
307 Miscellaneous Plastics Products

31 LEATHER AND LEATHER PRODUCTS

311 Leather Tanning and Finishing
313 Boot and Shoe Cut Stock and Findings
314 Footwear, Except Rubber
315 Leather Gloves and Mittens
316 Luggage
317 Handbags and Other Personal Leather Goods
319 Leather Goods, Not Elsewhere Classified

32 STONE, CLAY, GLASS AND CONCRETE PRODUCTS

321 Flat Glass
322 Glass and Glassware, Pressed or Blown
323 Glass Products, Made of Purchased Glass
324 Cement, Hydraulic
325 Structural Clay Products
326 Pottery and Related Products
327 Concrete, Gypsum, and Plaster Products
328 Cut Stone and Stone Products
329 Abrasive, Asbestos, and Miscellaneous Nonmetallic Mineral Products

33 PRIMARY METAL INDUSTRIES

331 Blast Furnaces, Steel Works, and Rolling and Finishing Mills
332 Iron and Steel Foundries
333 Primary Smelting and Refining of Nonferrous Metals
334 Secondary Smelting and Refining of Nonferrous Metals
335 Rolling, Drawing, and Extruding of Nonferrous Metals
336 Nonferrous Foundries (Castings)
339 Miscellaneous Primary Metal Products

34 FABRICATED METAL PRODUCTS, EXCEPT MACHINERY AND TRANSPORTATION EQUIPMENT

341 Metal Cans and Shipping Containers
342 Cutlery, Hand Tools, and General Hardware
343 Heating Equipment, Except Electric and Warm Air; and Plumbing Fixtures
344 Fabricated Structural Metal Products
345 Screw Machine Products and Bolts, Nuts, Screws, Rivets, and Washers
346 Metal Forgings and Stampings
347 Coating, Engraving, and Allied Services
348 Ordnance and Accessories, Except Vehicles and Guided Missiles
349 Miscellaneous Fabricated Metal Products

35 MACHINERY, EXCEPT ELECTRICAL

351 Engines and Turbines
352 Farm and Garden Machinery and Equipment
353 Construction, Mining, and Materials Handling Machinery and Equipment
354 Metalworking Machinery and Equipment
355 Special Industry Machinery, Except Metalworking Machinery
356 General Industrial Machinery and Equipment
357 Office, Computing, and Accounting Machines
358 Refrigeration and Service Industry Machinery
359 Miscellaneous Machinery, Except Electrical

36 ELECTRICAL AND ELECTRONIC MACHINERY, EQUIPMENT, AND SUPPLIES

361 Electric Transmission and Distribution Equipment
362 Electrical Industrial Apparatus
363 Household Appliances
364 Electronic Lighting and Wiring Equipment
365 Radio and Television Receiving Equipment, Except Communication Types
366 Communication Equipment
367 Electronic Components and Accessories
369 Miscellaneous Electrical Machinery, Equipment and Supplies

37 TRANSPORTATION EQUIPMENT

371 Motor Vehicles and Motor Vehicle Equipment
372 Aircraft and Parts
373 Ship and Boat Building and Repairing
374 Railroad Equipment
375 Motorcycles, Bicycles, and Parts
376 Guided Missiles and Space Vehicles and Parts
379 Miscellaneous Transportation Equipment

38 MEASURING, ANALYZING AND CONTROLLING INSTRUMENTS; PHOTOGRAPHIC, MEDICAL, AND OPTICAL GOODS; WATCHES AND CLOCKS

381 Engineering, Laboratory, Scientific, and Research Instruments, and Associated Equipment
382 Measuring and Controlling Instruments
383 Optical Instruments and Lenses
384 Surgical, Medical, and Dental Instruments and Supplies
385 Ophthalmic Goods
386 Photographic Equipment and Supplies
387 Watches, Clocks, Clockwork Operated Devices, and Parts

39 MISCELLANEOUS MANUFACTURING INDUSTRIES

391 Jewelry, Silverware, and Plated Ware
393 Musical Instruments
394 Toys and Amusement, Sporting, and Athletic Goods
395 Pens, Pencils, and Other Office and Artists' Materials
396 Costume Jewelry, Costume Novelties, Bottoms, and Miscellaneous Notions, Except Precious Metal
399 Miscellaneous Manufacturing

E. TRANSPORTATION, COMMUNICATIONS, ELECTRIC, GAS, AND SANITARY SERVICES

40 RAILROAD TRANSPORTATION

401 Railroads
404 Railway Express

41 LOCAL AND SUBURBAN TRANSIT AND INTERURBAN HIGHWAY PASSENGER TRANSPORTATION

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CROSSWALK TABLES

This section contains the Third Edition VPO crosswalk tables organized by CIP vocational program. The Introduction to Volume 1 explains the tables in detail, and a sample is described on pages 12 and 13.

As an aid to locating single programs in the crosswalk, there is a table of contents arranged alphabetically by CIP program title (pages T/iii through T/xii) and one by CIP program code, arranged in ascending numerical order (pages T/xiii through T/xxii).

The crosswalk tables follow, also arranged in ascending CIP code order within each of the seven major program areas. These are divided by tabs representing:

Agriculture/Agribusiness and Natural Resources Education
Business and Office Education
Health Occupations Education
Home Economics Education
Marketing and Distributive Education
Technical Education
Trade and Industrial Education

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Agriculture/Agribusiness Education

PROGRAM AREA: AGRICULTURE/AGRIBUSINESS AND NATURAL RESOURCES EDUCATION.

AGRICULTURE/AGRIBUSINESS AND NATURAL RESOURCES PROGRAMS IN VOCATIONAL EDUCATION ARE COMPRISED OF INDIVIDUAL AND GROUP INSTRUCTION AND SUPERVISED LEARNING EXPERIENCES ORGANIZED IN COURSES AND UNITS OF INSTRUCTION DESIGNED TO DEVELOP COMPETENCIES PREPARING AND UPGRADING YOUTH AND ADULTS FOR EMPLOYMENT IN RECOGNIZED AGRICULTURE/AGRIBUSINESS AND NATURAL RESOURCES OCCUPATIONS. THESE OCCUPATIONS ARE CLASSIFIED UNDER THE FOLLOWING SUBJECT MATTER AREAS WHICH ARE APPLICABLE AT THE SECONDARY, POSTSECONDARY, AND ADULT LEVELS OF INSTRUCTION: AGRICULTURAL BUSINESS AND MANAGEMENT, PRODUCTION AGRICULTURE, AGRICULTURAL SUPPLIES AND SERVICES, AGRICULTURAL MECHANICS; AGRICULTURAL PRODUCTS AND PROCESSING; HORTICULTURE, RENEWABLE NATURAL RESOURCES, FORESTRY, AND WILDLIFE MANAGEMENT. THE FUTURE FARMERS OF AMERICA (FFA) AND THE NATIONAL POSTSECONDARY AGRICULTURAL STUDENT ORGANIZATION (NPASO) ARE SCHOOL LABORATORIES IN AGRICULTURE/AGRIBUSINESS AND NATURAL RESOURCES EDUCATION AT THE SECONDARY AND POSTSECONDARY LEVELS. THEY AID IN MOTIVATING AND INVOLVING STUDENTS IN INDIVIDUAL AND GROUP ACTIVITIES THAT ARE INTEGRAL PARTS OF THE INSTRUCTIONAL PROGRAMS ON THE LOCAL, STATE AND NATIONAL BASIS. THE ORGANIZATIONS DEVELOP COMPETENCIES IN LEADERSHIP, CITIZENSHIP, COMMUNITY SERVICE, SCHOLARSHIP, THRIFT, COOPERATION, PATRIOTISM, RECREATION, AND PREPARATION FOR CAREERS IN AGRICULTURE/AGRIBUSINESS AND NATURAL RESOURCES OCCUPATIONS. YOUNG FARMER EDUCATION ASSOCIATIONS (YFEA) ARE SIMILARLY DEVELOPED AND FUNCTION LIKE FFA IN COMPLEMENTING THE INSTRUCTIONAL PROGRAMS FOR YOUNG FARMERS AND OTHER ADULTS ENROLLED IN ADULTS VOCATIONAL EDUCATION COURSES IN AGRICULTURE/AGRIBUSINESS AND NATURAL RESOURCES AT THE LOCAL AND STATE LEVELS.

PROGRAM: 01.0000 AGRIBUSINESS AND AGRICULTURAL PRODUCTION. (PART)

A SUMMARY OF GROUPS OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS TO APPLY SCIENTIFIC KNOWLEDGE AND METHODS, AND TECHNICAL SKILLS IN SUPPORT OF AGRIBUSINESS AND AGRICULTURAL ACTIVITIES CONCERNED WITH THE PRODUCTION AND PROPAGATION OF CROPS AND ANIMALS, SUPPLIES AND SERVICES, MECHANICS, PRODUCTS PROCESSING AND MARKETING, AND HORTICULTURE.

PROGRAM: 01.0100 AGRICULTURAL BUSINESS AND MANAGEMENT.

A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS TO APPLY THE ECONOMIC AND BUSINESS PRINCIPLES INVOLVED IN THE ORGANIZATION, OPERATION, AND MANAGEMENT OF FARM AND AGRICULTURAL BUSINESSES.

PROGRAM: 01.0101 AGRICULTURAL BUSINESS AND MANAGEMENT, GENERAL.

AN INSTRUCTIONAL PROGRAM THAT GENERALLY PREPARES INDIVIDUALS TO APPLY THE ECONOMIC AND BUSINESS PRINCIPLES INVOLVED IN THE ORGANIZATION, OPERATION, AND MANAGEMENT OF FARM AND AGRICULTURAL BUSINESSES.

PROGRAM: 01.0104 FARM AND RANCH MANAGEMENT.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO MANAGE A FARM OR RANCH. INCLUDES INSTRUCTION IN FARM ENTERPRISE ANALYSIS, ACCOUNTING, TAXES, PRODUCTION, FINANCING, CAPITAL RESOURCES, PURCHASING, GOVERNMENT PROGRAMS, FARM INPUTS, PERFORMANCE RECORDS, CONTRACTS, ESTATE PLANNING, AND MARKETING.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
180.117-010	MANAGER, CHRISTMAS-TREE FARM	5 3 4	7	L5	I	02.0404 03.0402	5525	00000	90020400	476
180.161-010	MANAGER, PRODUCTION, SEED CORN	5 4 4	7	L456	B	01.0304	5523	00000	90020400	475
180.167-018	GENERAL MANAGER, FARM	5 4 4	8	L5	B	01.0302 01.0304 02.0202 02.0203 02.0204 02.0205 02.0208 02.0402	5522	19000	20061699	475
180.167-026	MANAGER, DAIRY FARM	4 3 3	8	L3456	B	01.0302 02.0203 02.0204 02.0206	5524	00000	90020400	475
180.167-030	MANAGER, FISH HATCHERY	5 3 4	7	L456	B	01.0303 02.0203 02.0204 02.0207 03.0302	5524	00000	90020400	475
180.167-034	MANAGER, GAME BREEDING FARM	5 3 4	7	L456	B56	01.0305 02.0202 02.0203 02.0204	5524	00000	90020400	475
180.167-038	MANAGER, GAME PRESERVE	5 4 4	8	L456	B	01.0305 02.0203 02.0204 02.0409	5524	00000	90020400	475
180.167-042	MANAGER, NURSERY	4 4 4	7	L456	B	06.1401 01.0604 01.0606 02.0403 02.0404 08.0502	5525	19000	20061699	476
180.167-046	MANAGER, POULTRY HATCHERY	4 3 3	7	L45	I	01.0302 02.0203 02.0204 02.0209	5524	00000	90020400	475

PROGRAM: 01.0200 **AGRICULTURAL MECHANICS.**

A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS TO SELECT, OPERATE, MAINTAIN, SERVICE, SELL, AND USE AGRICULTURE/AGRIBUSINESS POWER UNITS, MACHINERY, EQUIPMENT, STRUCTURES, AND UTILITIES. INCLUDES INSTRUCTION IN AGRICULTURAL POWER UNITS; THE PLANNING AND SELECTION OF MATERIALS FOR THE CONSTRUCTION OF AGRICULTURAL FACILITIES; AND THE MECHANICAL PRACTICES ASSOCIATED WITH IRRIGATION, DRAINAGE, RUN-OFF, WATER CONSERVATION, AND EROSION CONTROL.

PROGRAM: 01.0201 **AGRICULTURAL MECHANICS, GENERAL.**

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS IN A GENERAL WAY TO SELECT, OPERATE, MAINTAIN, SERVICE, SELL AND USE AGRICULTURE/AGRIBUSINESS POWER UNITS, MACHINERY, EQUIPMENT, STRUCTURES, AND UTILITIES. INSTRUCTION INCLUDES THE STUDY OF AGRICULTURAL POWER UNITS; THE PLANNING AND SELECTION OF MATERIALS FOR THE CONSTRUCTION OF AGRICULTURAL FACILITIES, AND THE MECHANICAL PRACTICES ASSOCIATED WITH IRRIGATION, DRAINAGE, RUN-OFF, WATER CONSERVATION, AND EROSION CONTROL.

PROGRAM: 01.0202 **AGRICULTURAL ELECTRIFICATION, POWER, AND CONTROLS.**

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS FOR THE SAFE USE OF ELECTRICITY, ELECTRICAL POWER, EQUIPMENT, AND AUTOMATIC CONTROLS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
829.281-014	ELECTRICAL REPAIRER	4	4	3	7	M2346	I6	46.0302	6153	55B12	50021401	523
829.684-022	ELECTRICIAN HELPER	3	2	2	3	M234	I6	46.0302	8643	56005	80002823	865

PROGRAM: 01.0203 **AGRICULTURAL MECHANICS, CONSTRUCTION, AND MAINTENANCE SKILLS.**

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO SELECT, SAFELY USE, AND MAINTAIN HAND AND POWER TOOLS, ARC AND ACETYLENE WELDING EQUIPMENT, AND CONSTRUCTION MATERIALS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
625.281-030	POWER-SAW MECHANIC	3	3	3	6	M4	I	47.0606	6114	51031	50083207	509
638.484-010	MILLWRIGHT HELPER	2	2	2	3	H24	I	47.0303	8637	56900	80002823	864
701.381-010	REPAIRER, HANDTOOLS	3	2	2	5	L46	I	47.0303	6179	51900	50083299	547
701.381-014	SAW FILER	3	3	3	6	M46	I5		6816	55N63	63000000	644
701.381-018	TOOL GRINDER 1	3	2	2	6	L46	I5	48.0503	6816	55B19	61082401	644
819.687-014	WELDER HELPER	2	1	1	2	H345	B567	48.0508	8620	59003	80002899	873

PROGRAM: 01.0204 AGRICULTURAL POWER MACHINERY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO SELECT, OPERATE, SERVICE, MAINTAIN, AND REPAIR A VARIETY OF AGRICULTURAL POWER UNITS AND AGRICULTURAL MACHINERY AND EQUIPMENT. INCLUDES INSTRUCTION IN GAS, DIESEL, AND ELECTRIC UNITS; WELDING; REFRIGERATION; AND HYDRAULICS AND OTHER POWER SYSTEMS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
013.161-010	AGRICULTURAL-ENGINEERING TECHNICIAN	5	5	4	7	S46	I	01.0206 02.0503 03.0202 15.0802	3719	32900	10081898	216
019.261-022	TEST TECHNICIAN	4	4	4	6	L46	B6	15.0802	3890	39000	10141404	225
185.167-026	MANAGER, MACHINERY-OR-EQUIPMENT, RENTAL	4	4	4	6	L5	I	06.1401 01.0503 08.0203	4010	10035	20061612	243
187.167-082	MANAGER, CUSTOMER SERVICES	4	4	4	8	L456	I		1390	19000	20061699	019
187.167-142	MANAGER, SERVICE DEPARTMENT	4	4	4	7	L56	I	06.1401 08.1202	6000	19000	20061699	503
405.683-014	GROWTH-MEDIA MIXER, MUSHROOM	3	2	2	3	M46	B5	01.0304	5616	00000	90040400	479
407.663-010	FARMWORKER, DIVERSIFIED CROPS 1	3	2	3	4	M346	057	01.0304	5612	00000	90040400	479
408.662-010	HYDRO-SPRAYER OPERATOR	3	2	2	4	H2346	05	01.0605	5616	00000	90040400	479
409.683-010	FARM-MACHINE OPERATOR	3	2	2	3	H246	0567	01.0304	5616	55523	63000000	479
409.683-014	FIELD HAULER	2	2	2	3	M6	0	01.0304 01.0502	5616	00000	62002201	479
409.685-010	FARM-MACHINE TENDER	2	1	2	2	H4	B5	01.0304	5616	00000	90040400	479
409.686-010	FARMWORKER, MACHINE	1	1	1	1	H2346	B56	01.0304	5616	00000	90040400	479
421.683-010	FARMWORKER, GENERAL 1	3	2	3	5	H2346	0567	01.0302 01.0304	5612	00000	90040400	479
429.685-010	GINNER	2	1	2	3	L234	I57	01.0403	5616	00000	63000000	479
429.685-014	THRESHER, BROOMCORN	2	1	1	2	L4	067	01.0304	5616	00000	90040400	479
620.281-058	TRACTOR MECHANIC	4	3	3	7	M346	I4	47.0302 47.0605	6112	51034	50081803	507
620.664-014	MAINTENANCE MECHANIC HELPER	3	2	2	5	H34	I6		8632	56900	80002823	864
620.684-030	TRACTOR-MECHANIC HELPER	2	1	2	4	H34	I47		8632	56900	80002823	864
624.281-010	FARM-EQUIPMENT MECHANIC 1	4	3	3	7	M23456	B56		6118	51025	50081600	517
624.281-014	FARM-EQUIPMENT-MECHANIC APPRENTICE	4	3	3	7	M23456	B56		6118	51025	50081600	517
624.361-010	INSPECTOR AND TESTER	4	3	3	6	M456	I5		6881	55B58	50142202	689
624.361-014	SPRINKLER-IRRIGATION-EQUIPMENT MECHANIC	4	2	3	6	H2456	046	01.0206	6118	51025	50081600	517
624.381-010	ASSEMBLY REPAIRER	3	3	3	5	M34	I		6118	51025	50081600	517
624.381-014	FARM-EQUIPMENT MECHANIC 2	3	2	3	6	M2346	B56		6118	51025	50081600	517
624.381-018	FARM-MACHINERY SET-UP MECHANIC	4	4	4	6	H234	B6		6812	55E22	61080440	636
624.684-010	GREASER	2	1	2	4	H34	B		6118	55C06	61084000	517
625.281-026	GAS-ENGINE REPAIRER	3	3	3	6	M34	I5	47.0606	6114	51900	50083299	509
625.281-034	SMALL-ENGINE MECHANIC	3	3	3	6	M45	B	47.0606	6114	51031	50083207	509
625.684-010	DIESEL-MECHANIC HELPER	2	2	2	4	M2346	I5	47.0605	8632	56900	80002823	864
629.281-018	DAIRY-EQUIPMENT REPAIRER	4	3	3	7	M23456	I45		6118	51043	50081807	517
629.281-030	MAINTENANCE MECHANIC	4	3	3	6	M2456	I57	47.0303	6130	51043	50081807	518
630.281-018	PUMP SERVICER	3	3	3	7	M346	B7	47.0303	6130	51043	50081807	518
630.684-018	PUMP INSTALLER	3	2	3	5	H34	B	47.0303	6179	59002	63000000	547
630.684-022	PUMP-SERVICER HELPER	2	1	2	5	M346	B	47.0303	8633	56900	80002823	864
706.361-014	ASSEMBLY INSPECTOR	3	2	1	5	L46	I		6881	55B58	50142202	689
706.684-042	BENCH ASSEMBLER	2	1	2	2	L4	I		7720	55E22	61060440	785
801.137-010	SUPERVISOR, ASSEMBLY	4	3	2	7	L56	I		7100	55B29	50040003	633
801.137-014	SUPERVISOR, INSPECTION	4	3	3	7	L456	I		7100	55B29	50040003	633

*** PROGRAM: 01.0204 AGRICULTURAL POWER MACHINERY. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION		GED			S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
CODE	TITLE	R	M	L								
801.381-018	MAJOR-ASSEMBLY INSPECTOR	3	2	2	6	M46	I		6881	55B58	50142202	689
801.663-010	ASSEMBLY-INSPECTOR HELPER	2	1	1	3	L456	I		7820	59002	63000000	796
801.684-022	PROGRESSIVE ASSEMBLER AND FITTER	2	1	1	3	M346	I		7720	55E22	61080440	785
809.381-018	MILKING-SYSTEM INSTALLER	4	3	3	6	H2346	I		6869	59002	63000000	684
850.683-010	BULLDOZER OPERATOR 1	3	1	2	5	H23456	067	49.0202	8317	55B52	50021807	855
								49.0204				
921.683-050	INDUSTRIAL-TRUCK OPERATOR	2	1	1	3	M46	B	49.0202	8318	55B57	62001001	856
								49.0203				

PROGRAM: 01.0205 AGRICULTURAL STRUCTURES, EQUIPMENT, AND FACILITIES. AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO PLAN, SELECT MATERIALS FOR, CONSTRUCT, UTILIZE, AND MAINTAIN AGRICULTURAL STRUCTURES, EQUIPMENT, AND ENVIRONMENTAL FACILITIES SUCH AS BARNS, SHEDS, MILKING PARLORS, MANURE AND OTHER WASTE HANDLING STRUCTURES AND EQUIPMENT, FORAGE AND GRAIN STORAGE STRUCTURES, AND GREENHOUSES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION		GED			S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
CODE	TITLE	R	M	L								
860.381-042	CARPENTER, ROUGH	4	4	2	7	H2346	B6	46.0201	6422	55A47	50020201	567
869.664-014	CONSTRUCTION WORKER 1	3	3	3	4	H2346	B567	46.0102	6479	55A68	50021202	599
								46.0103		55B22	50021805	
								46.0201		55B26	50023202	
								46.0401		55B28	50022000	
								46.0402		55B31	80000603	
								46.0404		55C23	80000609	
								46.0405		55C75	80000612	599
								46.0407		56013	80062823	
								46.0408		56016	80002823	
								46.0409				
								46.0410				
								46.0411				
								46.0502				
869.684-022	FENCE ERECTOR	3	2	2	5	H346	05		6479	55B18	80000607	599
869.687-026	CONSTRUCTION WORKER 2	2	1	1	2	V234	056	46.0102	8710	55A97	80000606	869
								46.0103		55C73	80000611	
								46.0201		55R67	80000629	
								46.0401		56004	80002823	
								46.0402		56006	80002823	
								46.0404		56009	80002823	
								46.0405		56011	80002823	
								46.0407		56012	80002823	
								46.0408				
								46.0409				
								46.0410				
								46.0411				
								46.0502				
899.381-010	MAINTENANCE REPAIRER, BUILDING	4	3	3	7	M2346	B5	46.0401	6179	55B86	50144821	547

PROGRAM: 01.0206 SOIL AND WATER MECHANICAL PRACTICES. AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO IMPLEMENT SOIL AND WATER MANAGEMENT BY SURVEYING, PLANNING, LAYING OUT, CONSTRUCTING, USING, AND MAINTAINING IRRIGATION, DRAINAGE, AND RUN-OFF SYSTEMS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
005.167-014	DRAINAGE-DESIGN COORDINATOR	5	5	4	8	S456	I	03.0202	1628	21004	10020600	053
013.161-010	AGRICULTURAL-ENGINEERING TECHNICIAN	5	5	4	7	S46	I	01.0204 02.0503 03.0202 15.0802	3719	32900	10081898	216
018.167-034	SURVEYOR ASSISTANT, INSTRUMENTS	5	5	4	7	L456	O	15.0201 15.0203 15.0901 15.0902	3733	32008	10081600	218
184.117-046	MANAGER, IRRIGATION DISTRICT	5	4	4	9	L5	I	03.0202	1343	19000	20061699	019
187.117-046	PROGRAM DIRECTOR, GROUP WORK	5	5	5	8	L56	I	20.0203	1270	19000	20061699	019
409.137-010	IRRIGATOR, HEAD	3	2	3	5	M456	04	02.0503	5611	00000	90040200	477
409.684-010	IRRIGATOR, VALVE PIPE	2	1	1	3	M34	04	01.0304	5615	00000	90040400	479
409.685-014	IRRIGATOR, SPRINKLING SYSTEM	2	1	2	2	M2346	04	01.0304	5615	00000	90040400	479
409.687-014	IRRIGATOR, GRAVITY FLOW	2	1	1	2	M34	04		5615	00000	90040400	479
421.687-010	FARMWORKER, GENERAL 2	2	1	1	2	H234	O	01.0302 01.0304	5612	00000	90040400	479
624.361-014	SPRINKLER-IRRIGATION-EQUIPMENT MECHANIC	4	2	3	6	H2456	046	01.0204	6118	51025	50081600	517
851.383-010	IRRIGATION SYSTEM INSTALLER	3	2	2	5	M46	O		6479	59002	63000000	599
869.684-030	LAWN-SPRINKLER INSTALLER	3	2	2	5	M4	04	01.0605 46.0503	6479	59002	63000000	599
954.362-010	DITCH RIDER	4	3	3	4	M346	04		8319	59002	63000000	859

PROGRAM: 01.0299 AGRICULTURAL MECHANICS, OTHER. ANY INSTRUCTIONAL PROGRAM IN AGRICULTURAL MECHANICS NOT DESCRIBED ABOVE.

PROGRAM: 01.0300 AGRICULTURAL PRODUCTION. A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS IN PLANNING AND ECONOMICALLY USING FACILITIES, LAND, WATER, MACHINERY, CHEMICALS, FINANCE, AND LABOR IN THE PRODUCTION OF PLANT AND ANIMAL PRODUCTS.

PROGRAM: 01.0301 AGRICULTURAL PRODUCTION, GENERAL. AN INSTRUCTIONAL PROGRAM THAT GENERALLY PREPARES INDIVIDUALS IN PLANNING AND ECONOMICALLY USING FACILITIES, LAND, WATER, MACHINERY, CHEMICALS, FINANCE, AND LABOR IN THE PRODUCTION OF PLANT AND ANIMAL PRODUCTS.

PROGRAM: 01.0302 **ANIMAL PRODUCTION.** AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO OPERATE ANIMAL PRODUCTION ENTERPRISES BY DEVELOPING COMPETENCIES CONCERNING THE SELECTION, BREEDING, PHYSIOLOGY, NUTRITION, HEALTH, HOUSING, FEEDING, AND MARKETING OF ANIMALS SUCH AS DAIRY CATTLE, BEEF CATTLE, HORSES, SWINE, SHEEP, POULTRY, BEES, RABBITS, CATS, DOGS, AND EARTHWORMS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
040.361-010	LABORATORY TECHNICIAN, ARTIFICIAL BREEDI	4	4	4	5	L46	I6	01.0502 02.0202	3820	33002	10081899	223
049.364-010	FEED-RESEARCH AIDE	3	2	2	4	M4	B7	02.0204	3820	33002	10081899	223
049.384-010	BIOLOGICAL AIDE	3	3	3	6	M46	B	01.0304 02.0402 02.0403 41.0101	3820	33002	10081899	223
073.361-010	LABORATORY TECHNICIAN, VETERINARY	5	4	4	6	L46	I	02.0203 02.0205 17.0501 17.0303	3690	33002	10081899	208
162.117-026	FIELD-CONTACT TECHNICIAN	5	3	5	7	L5	B	01.0503 02.0206 08.0704	1449	25300	10240801	033
180.167-018	GENERAL MANAGER, FARM	5	4	4	8	L5	B	01.0104 01.0304 02.0202 02.0203 02.0204 02.0205 02.0208 02.0402	5522	19000	20061699	475
180.167-022	GROUP LEADER	3	2	2	7	L3456	O	01.0304 01.0502	5611	00000	90040200	477
180.167-026	MANAGER, DAIRY FARM	4	3	3	8	L3456	B	01.0104 02.0203 02.0204 02.0206	5524	00000	90020400	475
180.167-046	MANAGER, POULTRY HATCHERY	4	3	3	7	L45	I	01.0104 02.0203 02.0204 02.0209	5524	00000	90020400	475

*** PROGRAM: 01.0302 ANIMAL PRODUCTION. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
410.131-010	BARN BOSS	4	3	3	7	L56	I7	02.0203 02.0204	5611	55B29	50040063	477
410.131-014	SUPERVISOR, ARTIFICIAL BREEDING RANCH	4	3	3	7	M3456	I	02.0202 02.0203 02.0204 02.0205 02.0208	5611	00000	90020400	477
410.131-018	SUPERVISOR, DAIRY FARM	4	3	3	7	M3456	B67	02.0203 02.0204 02.0205 02.0206	5611	00000	90040200	477
410.131-022	SUPERVISOR, STOCK RANCH	4	3	3	7	M23456	B567	02.0208	5611	00000	90040200	477
410.134-010	SUPERVISOR, LIVESTOCK-YARD	3	3	3	6	L56	B45	02.0203 02.0208	7100	55B29	50040003	633
410.134-014	SUPERVISOR, WOOL-SHEARING	4	3	3	7	H4	O7	01.0502 02.0208	5611	00000	90040200	477
410.137-010	CAMP TENDER	3	2	3	6	L346	O	02.0208 02.0409	5611	00000	90040400	477
410.137-014	TOP SCREW	4	3	3	7	H24	O	02.0208 02.0409	5611	00000	90040200	477
410.161-010	ANIMAL BREEDER	4	3	3	6	M3456	B7	01.0502 02.0202 02.0208	5514	00000	90020200	473
410.161-014	FUR FARMER	4	3	3	6	L4	B	02.0208	5514	00000	90020200	473
410.161-018	LIVESTOCK RANCHER	4	3	3	7	H346	B67	02.0202 02.0203 02.0204 02.0205 02.0208	5514	00000	90020200	473
410.364-010	LAMBER	3	1	2	3	L46	B		5617	00000	90040400	479
410.664-010	FARMWORKER, LIVESTOCK	3	3	3	4	H34	B67		5617	00000	90040400	479
410.674-010	ANIMAL CARETAKER	2	1	1	4	M46	I6	01.0502 01.0504 17.0501 17.0303 17.0511 17.0512	5624	55D14	80000200	487
410.674-014	COWPUNCHER	2	2	2	4	M2346	O	01.0505	5617	00000	90040400	479
410.674-018	LIVESTOCK-YARD ATTENDANT	3	2	2	2	H2346	B467		5617	55D14	80000200	479
410.674-022	STABLE ATTENDANT	2	1	1	2	H4	I7	01.0505	5624	55D14	80000200	487
410.684-010	FARMWORKER, DAIRY	2	1	1	4	H234	B67		5617	00000	90040400	479
410.684-014	SHEEP SHEARER	2	1	1	3	M34	B7	01.0502	5617	00000	90040400	479
410.685-010	MILKER, MACHINE	2	1	1	2	M34	I		5617	00000	90040200	479
410.687-010	FLEECE TIER	2	1	1	2	M4	B	01.0403	5617	00000	90040400	479
410.687-014	GOAT HERDER	2	1	1	3	L4	I7		5617	00000	90040400	479
410.687-018	PELTER	2	2	2	2	M4	B47	01.0403	5617	00000	90040400	479
410.687-022	SHEEP HERDER	2	1	1	3	M4	O		5617	00000	90040400	479
411.131-010	SUPERVISOR, POULTRY FARM	4	2	3	7	M56	I	02.0209	5611	00000	90040200	477

*** PROGRAM: 01.0302 ANIMAL PRODUCTION. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
411.137-010	SUPERVISOR, POULTRY HATCHERY	4	2	3	6	L45	I	02.0209	5611	00000	90040200	477
411.161-010	CANARY BREEDER	4	2	3	5	L456	I	02.0202 02.0209	5514	00000	90020200	473
411.161-014	POULTRY BREEDER	4	3	3	7	L4	I	01.0502 02.0202 02.0209	5514	00000	90020200	473
411.161-018.	POULTRY FARMER	4	3	3	7	M46	B5	02.0209	5514	00000	90020200	473
411.267-010	FIELD SERVICE TECHNICIAN, POULTRY	4	3	3	7	L3456	B	01.0502 02.0209	5627	00000	50142202	489
411.364-010	BLOOD TESTER, FOWL	3	2	2	2	M46	B	01.0502 02.0209	3820	00000	10081899	223
411.364-014	POULTRY TENDER	3	2	2	5	H4	B7	02.0209	5617	00000	90040400	479
411.384-010	POULTRY INSEMINATOR	3	2	2	3	M4	B	01.0502 02.0209	3820	33002	10081899	223
411.584-010	FARMWORKER, POULTRY	2	2	2	3	M346	I67		5617	00000	90040400	479
411.684-010	CAPONIZER	2	1	1	2	L46	I		5617	00000	90040400	479
411.684-014	POULTRY VACCINATOR	2	1	1	2	M46	I	01.0502	5617	00000	90040400	479
411.687-010	CHICK GRADER	2	2	2	2	M46	I		5617	00000	50142202	479
411.687-014	CHICK SEXER	2	1	2	4	L46	I		5617	00000	90040400	479
411.687-018	LABORER, POULTRY FARM	2	1	2	2	M46	B7		5617	00000	90040400	479
411.687-022	LABORER, POULTRY HATCHERY	2	2	2	2	M234	I		5617	00000	90040400	479
411.687-026	POULTRY DEBEAKER	2	1	1	3	L46	I67		5617	00000	90040400	479
413.161-010	BEEKEEPER	3	3	3	7	H34	06		5514	00000	90020200	473
413.161-014	REPTILE FARMER	4	3	4	6	L46	B6		5514	00000	90020200	473
413.161-018	WORM GROWER	4	3	3	6	M2346	I47		5514	00000	90020200	473
413.687-010	WORM PICKER	2	1	1	1	L34	04		5617	00000	90040400	479
413.687-014	WORM-FARM LABORER	2	1	1	1	M234	I4		5617	00000	90040400	479
418.384-010	ARTIFICIAL INSEMINATOR	3	3	2	3	M246	B467	01.0502 02.0202	3820	33002	10081899	223
418.384-014	ARTIFICIAL-BREEDING TECHNICIAN	3	3	2	6	L346	I67	01.0502 02.0202	3820	33002	10081899	223
421.161-010	FARMER, GENERAL	4	4	4	7	H2346	B67	01.0304 02.0202 02.0203 02.0204 02.0205 02.0208 02.0402	5512	00000	90020200	473
421.683-010	FARMWORKER, GENERAL 1	3	2	3	5	H2346	0567	01.0204 01.0304	5612	00000	90040400 .	479
421.687-010	FARMWORKER, GENERAL 2	2	1	1	2	H234	0	01.0206 01.0304	5612	00000	90040400	479

PROGRAM: 01.0303 AQUACULTURE.

------------ AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS FOR FISH FARMING AND MARINE PLANT PRODUCTION AND HARVESTING. INCLUDES INSTRUCTION IN FEEDING, CULTURING, PROTECTING, AND PROPAGATING COMMERCIALLY PRODUCED MARINE FOOD PRODUCTS AND SEAWEED, AND THE USES OF MARINE FOODS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
180.167-030	MANAGER, FISH HATCHERY	5	3	4	7	L456	B	01.0104 02.0203 02.0204 02.0207 03.0302	5524	00000	90020400	475
446.133-010	SUPERVISOR, SHELLFISH FARMING	4	2	3	6	M3456	04	02.0207 03.0302	5611	00000	90040200	477
446.134-010	SUPERVISOR, FISH HATCHERY	4	2	3	7	M3456	0467	02.0207 03.0302	5611	00000	80002899	477
446.161-010	FISH FARMER	4	1	2	6	M2346	04	02.0207 03.0302	5514	00000	80002899	473
446.161-014	SHELLFISH GROWER	4	1	2	6	M234	04	02.0207 03.0302	5514	00000	80002899	473
446.663-010	SHELLFISH DREDGE OPERATOR	3	2	2	5	H234	B456		5830	00000	80002899	498
446.684-010	FISH HATCHERY WORKER	3	1	2	5	M2346	B46		5618	00000	80002899	483
446.684-014	SHELLFISH-BED WORKER	2	1	1	3	H34	04		5618	00000	80002899	483
446.684-018	SOFT CRAB SHEDDER	2	1	1	4	M234	I4		5618	00000	80002899	483
446.687-010	CLAM SORTER	2	1	2	2	H2346	046		5625	00000	80002899	488
446.687-014	LABORER, AQUATIC LIFE	2	1	1	2	H34	04		5618	00000	80002899	483
449.674-010	AQUARIST	3	2	2	4	L346	B4		5624	55D14	80000200	487

PROGRAM: 01.0304 CROP PRODUCTION.

---------------- AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO OPERATE ENTERPRISES CONCERNED WITH THE PRODUCTION OF CEREAL GRAIN, FIBER, FORAGE, OILSEED, TREE FRUITS AND NUTS, SMALL FRUITS, VEGETABLES, AND OTHER CROPS. INCLUDES INSTRUCTION IN SOILS, PLANT NUTRITION, PLANT AND SEED IDENTIFICATION, GENETICS, PHYSIOLOGY, ENTOMOLOGY, PLANT PATHOLOGY, PLANT DISEASE, AND PEST CONTROL, INCLUDING INSECTICIDES, FUNGICIDES, HERBICIDES, NONCHEMICAL CONTROLS, AND PLANT GENETIC RESISTANCE.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
040.361-014	SEED ANALYST	4	4	4	7	L46	B	02.0402	3820	33002	10081899	223
049.384-010	BIOLOGICAL AIDE	3	3	3	6	M46	B	01.0302 02.0402 02.0403 41.0101	3820	33002	10081899	223
180.161-010	MANAGER, PRODUCTION, SEED CORN	5	4	4	7	L456	B	01.0104	5523	00000	90020400	475
180.167-014	FIELD SUPERVISOR, SEED PRODUCTION	5	4	4	6	L456	B	01.0502 02.0402	5611	00000	90020400	477

*** PROGRAM: 01.0304 CROP PRODUCTION. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
180.167-018	GENERAL MANAGER, FARM	5	4	4	8	L5	B	01.0104 01.0302 02.0202 02.0203 02.0204 02.0205 02.0208 02.0402	5522	19000	20061699	475
180.167-022	GROUP LEADER	3	2	2	7	L3456	0	01.0302 01.0502	5611	00000	90040200	477
180.167-050	MIGRANT LEADER	3	2	2	7	L3456	0	01.0502	5611	00000	90040200	477
180.167-058	SUPERINTENDENT, PRODUCTION	4	3	3	7	L456	I	01.0502 02.0403	5523	00000	90040200	475
272.357-010	SALES REPRESENTATIVE, ANIMAL-FEED PRODUC	4	3	4	6	L5	I	08.0706 01.0503 02.0204 08.0502 08.0702	4233	71998	30001808	259
401.137-010	SUPERVISOR, AREA	4	3	3	7	L45	0		5611	00000	90040200	477
401.137-014	SUPERVISOR, DETASSELING CREW	3	2	3	6	L456	0		5611	00000	90040200	477
401.161-010	FARMER, CASH GRAIN	4	3	3	7	H456	05	02.0402	5513	00000	90020200	473
401.683-010	FARMWORKER, GRAIN 1	3	1	2	4	H234	05		5616	00000	90040400	479
401.683-014	FARMWORKER, RICE	3	2	2	5	M2346	045		5616	00000	90040400	479
401.687-010	FARMWORKER, GRAIN 2	1	1	1	2	M34	0		5613	00000	90040400	479
402.131-010	SUPERVISOR, VEGETABLE FARMING	4	2	3	7	M23456	0567	02.0402 02.0403	5611	00000	90040200	477
402.161-010	FARMER, VEGETABLE	4	4	4	7	M23456	057	02.0402 02.0403	5513	00000	90020200	473
402.663-010	FARMWORKER, VEGETABLE 1	3	2	3	4	M346	057		5616	00000	90040400	479
402.687-010	FARMWORKER, VEGETABLE 2	1	1	1	2	M2346	057		5613	00000	90040400	479
402.687-014	HARVEST WORKER, VEGETABLE	1	1	1	1	M346	0		5613	00000	90040400	479
403.131-010	SUPERVISOR, TREE-FRUIT-AND-NUT FARMING	4	3	4	7	M23456	04567	02.0403	5611	00000	90040200	477
403.131-014	SUPERVISOR, VINE-FRUIT FARMING	4	3	3	6	M456	05	02.0403	5611	00000	90040200	477
403.161-010	FARMER, TREE-FRUIT-AND-NUT CROPS	4	4	4	7	H23456	04567		5513	00000	90020200	473
403.161-014	FARMER, VINE-FRUIT CROPS	4	4	4	7	H3456	04567	02.0403	5513	00000	90020200	473
403.683-010	FARMWORKER, FRUIT 1	3	2	3	5	M2346	04567		5616	00000	90040400	479
403.687-010	FARMWORKER, FRUIT 2	2	1	2	2	M2346	046		5614	00000	90040400	479
403.687-014	FIG CAPRIFIER	2	1	2	2	M4	0		5614	00000	90040400	479
403.687-018	HARVEST WORKER, FRUIT	1	1	1	2	M2346	06		5614	00000	90040400	479
403.687-022	VINE PRUNER	1	1	1	1	L46	0		5614	00000	90040400	479
404.131-010	SUPERVISOR, FIELD-CROP FARMING	4	3	3	7	M3456	05	02.0402	5611	00000	90040200	477
404.131-014	SUPERVISOR, SHED WORKERS	4	3	3	7	L45	I		5611	00000	90040200	477
404.161-010	FARMER, FIELD CROP	4	4	4	7	M3456	04567	02.0402	5513	00000	90020200	473
404.663-010	FARMWORKER, FIELD CROP 1	3	2	3	5	M46	05		5616	00000	90040400	479
404.685-010	SEED-POTATO ARRANGER	1	1	1	2	L34	I		5616	00000	63000000	479
404.686-010	SEED CUTTER	1	1	1	1	M4	B		5613	00000	90040400	479
404.687-010	FARMWORKER, FIELD CROP 2	1	1	1	2	H234	0		5613	90000	90040400	479

*** PROGRAM: 01.0304 CROP PRODUCTION. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
404.687-014	HARVEST WORKER, FIELD CROP	1	1	1	1	H234	0467		5613	00000	90040400	479
405.131-010	SUPERVISOR, HORTICULTURAL-SPECIALTY FARM	4	3	4	7	M3456	I	02.0403 01.0604 01.0606 02.0404	5611	00000	90040200	477
405.161-014	HORTICULTURAL-SPECIALTY GROWER, FIELD	4	3	3	7	M3456	05	02.0403 01.0606 01.0607 02.0404 02.0410	5515	00000	90020200	474
405.161-018	HORTICULTURAL-SPECIALTY GROWER, INSIDE	4	3	4	7	M346	I4	02.0403 01.0604 01.0606 02.0404	5515	00000	90020200	474
405.683-014	GROWTH-MEDIA MIXER, MUSHROOM	3	2	2	3	M46	B5	01.0204	5616	00000	90040400	479
407.131-010	SUPERVISOR, DIVERSIFIED CROPS	4	3	4	7	M3456	0567	02.0402	5611	00000	90040200	477
407.161-010	FARMER, DIVERSIFIED CROPS	4	4	4	7	M456	0567	02.0402	5512	00000	90020200	473
407.663-010	FARMWORKER, DIVERSIFIED CROPS 1	3	2	3	4	M346	057	01.0204	5612	00000	90040400	479
407.687-010	FARMWORKER, DIVERSIFIED CROPS 2	1	1	1	2	M2346	0		5612	00000	90040400	479
408.137-010	SUPERVISOR, INSECT AND DISEASE INSPECTIO	4	4	4	6	L456	0	01.0502 02.0408	5611	00000	90040200	477
408.381-010	SCOUT	3	2	3	4	M246	0	01.0502 01.0602 02.0408	5627	59002	63000000	489
408.381-014	WEED INSPECTOR	3	2	3	5	L4	0	01.0502 02.0408	5627	00000	90040400	489
408.684-014	SPRAYER, HAND	3	2	2	4	H2346	067	01.0602 01.0604 01.0605 01.0606 01.0607	5614	00000	90040400	479
408.684-018	TREE PRUNER	3	2	3	4	M234	06	01.0602	5614	00000	90040400	479
408.687-010	FIELD INSPECTOR, DISEASE AND INSECT CONT	2	2	2	2	L346	0	01.0502 02.0408	5627	00000	90040400	489
409.117-010	HARVEST CONTRACTOR	4	4	4	7	L456	067	01.0502	5611	00000	90040400	477
409.131-010	SUPERVISOR, PICKING CREW	4	3	4	7	M56	0	01.0502	5611	00000	90040200	477
409.137-014	ROW BOSS, HOEING	4	3	4	7	L45	0		5611	00000	90040200	477
409.683-010	FARM-MACHINE OPERATOR	3	2	2	3	H246	0567	01.0204	5616	55S23	63000000	479
409.683-014	FIELD HAULER	2	2	2	3	M6	0	01.0204 01.0502	5616	00000	62002201	479
409.684-010	IRRIGATOR, VALVE PIPE	2	1	1	3	M34	04	01.0206	5615	00000	90040400	479
409.685-010	FARM-MACHINE TENDER	2	1	2	2	H4	B5	01.0204	5616	00000	90040400	479
409.685-014	IRRIGATOR, SPRINKLING SYSTEM	2	1	2	2	M2346	04	01.0206	5615	00000	90040400	479
409.686-010	FARMWORKER, MACHINE	1	1	1	1	H2346	B56	01.0204	5616	00000	90040400	479
409.687-010	INSPECTOR-GRADER, AGRICULTURAL ESTABLISH	2	2	2	3	M46	B	01.0502	5627	00000	50142202	489

*** PROGRAM: 01.0304 CROP PRODUCTION. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
421.161-010	FARMER, GENERAL	4 4 4	7	H2346	B67	01.0302 02.0202 02.0203 02.0204 02.0205 02.0208 02.0402	5512	00000	90020200	473
421.683-010	FARMWORKER, GENERAL 1	3 2 3	5	H2346	0567	01.0204 01.0302	5612	00000	90040400	479
421.687-010	FARMWORKER, GENERAL 2	2 1 1	2	H234	0	01.0206 01.0302	5612	00000	90040400	479
429.685-014	THRESHER, BROOMCORN	2 1 1	2	L4	067	01.0204	5616	00000	90040400	479

PROGRAM: 01.0305 GAME FARM MANAGEMENT.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO BREED, RAISE, AND PROTECT GAME ANIMALS AND WILDLIFE FOR CONSERVATION AND STOCKING PURPOSES. INCLUDES INSTRUCTION IN CONSERVATION PRACTICES AND MAY INVOLVE A STUDY OF MANAGERIAL COMPETENCIES UNIQUE TO GAME FARM OPERATION.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
169.171-010	GAMEKEEPER	4 3 3	6	H234	0	02.0202 02.0204 03.0601	5840	55D14	80000200	499
180.167-034	MANAGER, GAME BREEDING FARM	5 3 4	7	L456	B56	01.0104 02.0202 02.0203 02.0204	5524	00000	90020400	475
180.167-038	MANAGER, GAME PRESERVE	5 4 4	8	L456	B	01.0104 02.0203 02.0204 02.0409	5524	00000	90020400	475
379.137-018	WILDLIFE AGENT, REGIONAL	5 4 4	7	L456	B6	02.0409 03.0203 03.0601	1133	19000	20061699	005
379.167-010	FISH AND GAME WARDEN	4 3 4	6	M3456	06	03.0203 03.0302 03.0601	5134	44060	70100606	423
379.267-010	WILDLIFE CONTROL AGENT	4 3 3	7	M3456	06	02.0409 03.0203 03.0601	5149	44060	70100606	427
412.131-010	SUPERVISOR, GAME FARM	4 3 4	5	M3456	06	02.0202 02.0203 02.0204	5611	00000	90040200	477
412.137-010	ANIMAL KEEPER, HEAD	4 3 3	7	M456	B6	02.0203 02.0204	5621	55B29	50040003	485

*** PROGRAM: 01.0305 GAME FARM MANAGEMENT. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
412.161-010	GAME-BIRD FARMER	4	3	3	6	L4	B	02.0209 03.0601	5514	00000	90020200	473
412.674-010	ANIMAL KEEPER	3	2	2	4	M3456	B6		5624	55D14	80000200	487
412.684-010	GAME-FARM HELPER	2	2	2	3	M346	B6	03.0601	5617	00000	90040400	479
461.684-014	TRAPPER, ANIMAL	3	2	2	5	H2346	04	03.0601	5840	00000	80002899	499
461.684-018	TRAPPER, BIRD	3	2	2	4	M234	0	03.0601	5840	00000	80002899	499

PROGRAM: 01.0399 AGRICULTURAL PRODUCTION, OTHER.

ANY INSTRUCTIONAL PROGRAM IN AGRICULTURAL PRODUCTION NOT DESCRIBED ABOVE.

PROGRAM: 01.0400 AGRICULTURAL PRODUCTS AND PROCESSING.

A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS TO PROCESS FOOD AND NONFOOD PRODUCTS AND TO INSPECT THOSE PRODUCTS PREPARATORY TO MARKETING. INCLUDES INSTRUCTION IN THE CHARACTERISTICS AND PROPERTIES OF AGRICULTURAL PRODUCTS AND OF AGRICULTURE-RELATED PROCESSING TECHNIQUES AND SKILLS (INCLUDING QUALITY CONTROL AND MECHANICAL OPERATIONS INVOLVED IN MARKING, GRADING, INSPECTING, PACKAGING, STORING, AND MARKETING).

PROGRAM: 01.0401 AGRICULTURAL PRODUCTS AND PROCESSING, GENERAL.

AN INSTRUCTIONAL PROGRAM THAT GENERALLY PREPARES INDIVIDUALS TO PROCESS FOOD AND NONFOOD PRODUCTS AND TO INSPECT THOSE PRODUCTS PREPARATORY TO MARKETING. INCLUDES INSTRUCTION IN THE CHARACTERISTICS AND PROPERTIES OF AGRICULTURAL PRODUCTS AND OF AGRICULTURE-RELATED PROCESSING TECHNIQUES AND SKILLS (INCLUDING QUALITY CONTROL AND MECHANICAL OPERATIONS INVOLVED IN MARKETING, GRADING, INSPECTING, PACKAGING, STORING, AND MARKETING).

PROGRAM: 01.0402 FOOD PRODUCTS.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS FOR ACTIVITIES DEALING WITH PROCESSING FOOD PRODUCTS SUCH AS MEAT, FISH, POULTRY, EGGS, DAIRY PRODUCTS, FRUITS AND VEGETABLES, AND CEREAL GRAINS FOR SALE AND CONSUMPTION.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION		GED			S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
CODE	TITLE	R	M	L								
168.287-010	INSPECTOR, AGRICULTURAL COMMODITIES	4	3	4	7	L346	B	02.0306 02.0408 15.0504 15.0602	1473	10001	20040800	036
183.161-014	WINE MAKER	5	3	4	8	L56	I47	15.0602	1320	19000	20061699	019
183.167-026	MANAGER, FOOD PROCESSING PLANT	5	4	4	8	L5	I	02.0306 15.0602 15.0605	1320	19000	20061699	019
520.361-010	HONEY GRADER-AND-BLENDER	4	3	3	6	L46	I	02.0306 15.0602	6873	55T61	61060401	688
522.134-010	SUPERVISOR, BRINEYARD	4	3	3	7	H456	O4		7100	55B29	50040003	633
525.387-010	GRADER, MEAT	3	2	1	5	L6	I4	48.0403	7850	55T61	61060401	799
529.137-022	SUPERINTENDENT, GRAIN ELEVATOR	4	3	4	6	L2456	I		7100	55B29	50040003	633
529.137-046	SUPERVISOR, FRUIT GRADING	4	2	3	6	L456	I		7100	55B29	50040003	633
529.367-026	ROUGH-RICE GRADER	3	2	2	5	L3456	I57		7850	55T61	61060401	799
529.387-018	FRUIT-BUYING GRADER	3	3	2	3	M46	B		7850	55T61	61060401	799
529.687-186	SORTER, AGRICULTURAL PRODUCE	1	1	1	2	L46	I4		5625	55T61	61060401	488
920.137-010	PACKING-HOUSE SUPERVISOR	4	3	3	6	L456	I	08.0707	7100	55B29	50040003	633
920.687-134	PACKER, AGRICULTURAL PRODUCE	2	1	1	2	M346	I4	01.0603	8761	55C39	61060802	888
921.685-046	FRUIT DISTRIBUTOR	2	1	1	2	L46	I5		8319	55R90	80001020	859

PROGRAM: 01.0403 NONFOOD PRODUCTS.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS FOR ACTIVITIES INVOLVED WITH PROCESSING NONFOOD PRODUCTS, SUCH AS COTTON, TOBACCO, AND WOOL.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION		GED			S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
CODE	TITLE	R	M	L								
221.467-010	GIN CLERK	3	2	2	3	L46	I		4756	62007	40066600	368
221.687-014	TICKET PULLER	2	1	1	2	L46	I		7820	62003	40062400	796
410.687-010	FLEECE TIER	2	1	1	2	M4	B	01.0302	5617	00000	90040400	479
410.687-018	PELTER	2	2	2	2	M4	B47	01.0302	5617	00000	90040400	479
410.687-026	WOOL-FLEECE SORTER	2	1	1	3	M46	I7		5625	00000	90040400	488
429.387-010	COTTON CLASSER	4	3	3	7	L46	I		5625	55B58	50142202	488
429.685-010	GINNER	2	1	2	3	L234	I57	01.0204	5616	00000	63000000	479
529.132-010	CUSTOM-FEED-MILL OPERATOR	4	2	3	7	L4	I		7100	55B29	50040003	633
529.132-014	PLANT SUPERVISOR	4	2	3	7	L456	I		7100	55B29	50040003	633
529.132-054	SUPERVISOR, FEED MILL	3	3	3	7	L25	I57		7100	55B29	50040003	633
529.567-014	MARKER, COMPANY	2	1	1	3	L346	I		7820	55B58	50142202	796
589.687-054	WOOL-FLEECE GRADER	3	3	3	4	L46	I		5625	59002	63000000	488
929.137-034	YARD SUPERVISOR, COTTON GIN	4	3	3	6	L56	O		5621	55B29	50040003	485

PROGRAM: 01.0499 AGRICULTURAL PRODUCTS AND PROCESSING, OTHER. ANY INSTRUCTIONAL PROGRAM IN AGRICULTURAL PRODUCTS AND PROCESSING NOT DESCRIBED ABOVE.

PROGRAM: 01.0500 AGRICULTURAL SERVICES AND SUPPLIES. A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS TO SELL SUPPLIES FOR AGRICULTURAL PRODUCTION; PROVIDE AGRICULTURAL SERVICES; AND PURCHASE, GRADE, STORE, MARKET, AND TRANSPORT AGRICULTURAL PRODUCTS. INCLUDES INSTRUCTION IN ANIMAL BREEDING, HORSESHOEING, SMALL ANIMAL SERVICES, AND ANIMAL HOSPITAL CARE SERVICES.

PROGRAM: 01.0501 AGRICULTURAL SERVICES AND SUPPLIES, GENERAL. AN INSTRUCTIONAL PROGRAM THAT GENERALLY PREPARES INDIVIDUALS TO SELL SUPPLIES FOR AGRICULTURAL PRODUCTION; PROVIDE AGRICULTURAL SERVICES; AND PURCHASE, GRADE, STORE, MARKET, AND TRANSPORT AGRICULTURAL PRODUCTS. INCLUDES INSTRUCTION IN ANIMAL BREEDING, HORSESHOEING, SMALL ANIMAL SERVICES, AND ANIMAL HOSPITAL CARE SERVICES.

PROGRAM: 01.0502 AGRICULTURAL SERVICES. AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO PROVIDE AGRICULTURAL SERVICES SUCH AS CUSTOM WORK, EQUIPMENT OPERATION AND MAINTENANCE, MANAGEMENT AND FINANCE. INCLUDES INSTRUCTION IN SMALL ANIMAL SERVICES INCLUDING BREEDING, HORSESHOEING, PET SERVICES, AND ANIMAL HOSPITAL SERVICES.

DICTIONARY OF OCCUPATIONAL TITLES CODE	FOURTH EDITION TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
040.361-010	LABORATORY TECHNICIAN, ARTIFICIAL BREEDI	4	4	4	5	L46	I6	01.0302 02.0202	3820	33002	10081899	223
096.127-018	FEED AND FARM MANAGEMENT ADVISER	4	3	4	7	L456	B	02.0204	2390	25550	10241400	159
180.167-010	ARTIFICIAL-BREEDING DISTRIBUTOR	4	3	4	7	L3456	B7	02.0202 02.0402	5524	00000	90020400	475
180.167-014	FIELD SUPERVISOR, SEED PRODUCTION	5	4	4	6	L456	B	01.0304 02.0402	5611	00000	90020400	477
180.167-022	GROUP LEADER	3	2	2	7	L3456	O	01.0302 01.0304	5611	00000	90040200	477
180.167-050	MIGRANT LEADER	3	2	2	7	L3456	O	01.0304	5611	00000	90040200	477
180.167-054	SUPERINTENDENT	5	4	4	7	L56	B	02.0306 02.0403 15.0602	1320	19000	20061699	019
180.167-058	SUPERINTENDENT, PRODUCTION	4	3	3	7	L456	I	01.0304 02.0403	5523	00000	90040200	475
196.263-010	AIRPLANE PILOT	5	4	5	6	L456	I567	02.0408 49.0102	8250	34023	10140200	226
249.387-018	PEDIGREE TRACER	3	2	3	3	S46	I	07.0705	4783	61900	40066898	376
379.687-014	MOSQUITO SPRAYER	1	1	1	3	M34	O47		5246	59002	63000000	455
383.361-010	FUMIGATOR	4	3	3	5	H2345	B67		5246	55B36	61089205	455
389.134-010	SUPERVISOR, EXTERMINATION	4	3	3	6	L2345	B67		5241	55B29	50040003	448
389.684-010	EXTERMINATOR	3	2	2	5	L4	I7		5246	55B17	61089204	455
408.137-010	SUPERVISOR, INSECT AND DISEASE INSPECTIO	4	4	4	6	L456	O	01.0304 02.0408	5611	00000	90040200	477

*** PROGRAM: 01.0502 AGRICULTURAL SERVICES. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION		GED			S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
CODE	TITLE	R	M	L								
408.381-010	SCOUT	3	2	3	4	M246	O	01.0304 01.0602 02.0408	5627	59002	63000000	489
408.381-014	WEED INSPECTOR	3	2	3	5	L4	O	01.0304 02.0408	5627	00000	90040400	489
408.687-010	FIELD INSPECTOR, DISEASE AND INSECT CONT	2	2	2	2	L346	O	01.0304 02.0408	5627	00000	90040400	489
409.117-010	HARVEST CONTRACTOR	4	4	4	7	L456	O67	01.0304	5611	00000	90040400	477
409.131-010	SUPERVISOR, PICKING CREW	4	3	4	7	M56	O	01.0304	5611	00000	90040200	477
409.667-010	AIRPLANE-PILOT HELPER	2	2	2	3	M2346	O4567		5613	00000	90040400	479
409.683-014	FIELD HAULER	2	2	2	3	M6	O	01.0204 01.0304	5616	00000	62002201	479
409.687-010	INSPECTOR-GRADER, AGRICULTURAL ESTABLISH	2	2	2	3	M46	B	01.0304	5627	00000	50142202	489
410.134-014	SUPERVISOR, WOOL-SHEARING	4	3	3	7	H4	O7	01.0302 02.0208	5611	00000	90040200	477
410.161-010	ANIMAL BREEDER	4	3	3	6	M3456	B7	01.0302 02.0202 02.0208	5514	00000	90020200	473
410.674-010	ANIMAL CARETAKER	2	1	1	4	M46	I6	01.0302 01.0504 17.0501 17.0303 17.0511 17.0512	5624	55D14	80000200	487
410.684-014	SHEEP SHEARER	2	1	1	3	M34	B7	01.0302	5617	00000	90040400	479
411.161-014	POULTRY BREEDER	4	3	3	7	L4	I	01.0302 02.0202 02.0209	5514	00000	90020200	473
411.267-010	FIELD SERVICE TECHNICIAN, POULTRY	4	3	3	7	L3456	B	01.0302 02.0209	5627	00000	50142202	489
411.364-010	BLOOD TESTER, FOWL	3	2	2	2	M46	B	01.0302 02.0209	3820	00000	10081899	223
411.384-010	POULTRY INSEMINATOR	3	2	2	3	M4	B	01.0302 02.0209	3820	33002	10081899	223
411.684-014	POULTRY VACCINATOR	2	1	1	2	M46	I	01.0302	5617	00000	90040400	479
418.381-010	HORSESHOER	3	2	2	6	M346	I6	01.0506	5624	59002	63000000	487
418.384-010	ARTIFICIAL INSEMINATOR	3	3	2	3	M246	B467	01.0302 02.0202	3820	33002	10081899	223

*** PROGRAM: 01.0502 AGRICULTURAL SERVICES. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
418.384-014	ARTIFICIAL-BREEDING TECHNICIAN	3	3	2	6	L346	I67	01.0302 02.0202	3820	33002	10081899	223
419.224-010	HORSE TRAINER	3	2	2	7	M23456	B	01.0505	5617	00000	90040400	479
905.483-010	MILK DRIVER	3	2	2	3	M246	I	49.0205	8213	54001	62002201	804
906.683-014	LIQUID-FERTILIZER SERVICER	3	1	1	3	M46	B7	49.0205	8214	54001	62002201	805
913.363-010	BUS DRIVER, DAY-HAUL OR FARM CHARTER	3	2	2	3	M456	I	49.0205	8215	55A36	62000401	808

PROGRAM: 01.0503 AGRICULTURAL SUPPLIES MARKETING.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS FOR PURCHASING, STORING, GRADING, TRANSPORTING, AND MARKETING AGRICULTURAL SUPPLIES SUCH AS FEEDS, SEEDS, FERTILIZERS, CHEMICALS, MACHINERY AND PARTS, AND PRODUCTS SUCH AS LIVESTOCK AND GRAINS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
013.151-010	SALES ENGINEER, AGRICULTURAL EQUIPMENT	5	5	5	8	L456	B	08.0702	4210	21002	10022099	258
162.117-010	CHRISTMAS-TREE CONTRACTOR	5	3	5	7	L5	B	03.0402 08.0704	1443	25301	10240804	028
162.117-022	FIELD CONTRACTOR	5	3	5	7	L5	B	08.0704	1449	25300	10240801	033
162.117-026	FIELD-CONTACT TECHNICIAN	5	3	5	7	L5	B	01.0302 02.0206 08.0704	1449	25300	10240801	033
162.157-010	BROKER-AND-MARKET OPERATOR, GRAIN	5	4	4	7	S5	I	08.0406 08.0704 08.0707	1443	25300	10240801	028
162.157-018	BUYER	4	3	4	6	L456	I	04.0501 08.0703 08.0704 08.0705 08.0707 08.0904 20.0306 20.0308 20.0505	1442	25301	10240804	029

*** PROGRAM: 01.0503 AGRICULTURAL SUPPLIES MARKETING. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
162.157-022	BUYER, ASSISTANT	4	3	3	6	L5	I	04.0501 08.0704 08.0705 08.0904 20.0306 20.0308 20.0505	1442	25301	10240804	029
162.157-026	COMMISSION AGENT, LIVESTOCK	4	3	4	6	L56	I	08.0706 02.0208 08.0605 08.0707	4246	71999	30001807	259
162.157-038	PURCHASING AGENT	4	3	4	7	S5	I	08.0102 08.0704 20.0405 20.0406	1449	25414	10240803	033
162.167-010	BUYER, GRAIN	5	3	4	8	L5	I7	08.0707	1443	25300	10240801	028
162.167-014	BUYER, TOBACCO, HEAD	4	3	4	7	L456	I	08.0707	1443	25300	10240801	028
162.167-018	CLEAN-RICE BROKER	5	5	5	7	S5	I	08.0706 08.0703 08.0707	1443	71900	30001899	028
185.167-026	MANAGER, MACHINERY-OR-EQUIPMENT, RENTAL	4	4	4	6	L5	I	06.1401 01.0204 08.0203	4010	10035	20061612	243
251.357-018	SALES AGENT, PEST CONTROL SERVICE	4	3	4	6	L356	I	08.0706 08.0203	4152	71900	30001899	257
251.357-026	SALES REPRESENTATIVE, HERBICIDE SERVICE	4	3	4	5	L5	I	08.0706 02.0408 08.0203	4152	71900	30001899	257
259.357-038	TOBACCO-WAREHOUSE AGENT	3	2	3	3	L5	B	08.0706 08.0203	4152	71900	30001899	257
260.257-010	SALES REPRESENTATIVE, LIVESTOCK	4	3	4	5	L5	I	08.0706 02.0208 08.0605	4246	71999	30001807	259
260.357-010	COMMISSION AGENT, AGRICULTURAL PRODUCE	4	3	4	6	S5	I	08.0706 08.0605	4246	71999	30001807	259
260.357-010	COMMISSION AGENT, AGRICULTURAL PRODUCE	4	3	4	6	S5	I	08.0707	4246	71999	30001807	259
262.357-010	SALES REPRESENTATIVE, CHEMICALS AND DRUG	4	3	4	5	L5	I	08.0706 02.0203 08.0702	4237	71998	30001808	259

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*** PROGRAM: 01.0503 AGRICULTURAL SUPPLIES MARKETING.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
272.357-010	SALES REPRESENTATIVE, ANIMAL FEED PRODUC	4 3 4	6	L5	I	08.0706 01.0304 02.0204 08.0502 08.0702	4233	71998	30001808	259
272.357-014	SALES REPRESENTATIVE, FARM AND GARDEN EQ	4 3 4	5	L5	I	08.0706 08.0502 08.0702 08.1202	4233	71998	30001808	259
272.357-018	SALES REPRESENTATIVE, POULTRY EQUIPMENT	4 3 4	6	M5	B	08.0706 02.0204 02.0209 08.0502 08.0702 08.1202	4233	71998	30001808	259
272.357-022	SALESPERSON, HORTICULTURAL AND NURSERY P	4 3 4	4	L45	I	08.0706 01.0604 01.0606 02.0404 08.0502 08.0503 08.0705	4353	71999	30001807	268
274.357-030	SALES REPRESENTATIVE, DAIRY SUPPLIES	4 3 4	6	L5	I	08.0706 08.0502 08.0702	4233	71998	30001808	259
277.357-042	SALESPERSON, PETS AND PET SUPPLIES	4 3 4	4	L45	I	08.0706 01.0504 08.0705	4359	71999	30001807	274
279.357-062	SALESPERSON, PARTS	4 3 4	6	L456	I	08.0706 08.0705 08.1203 08.1206	4367	71999	30001807	269
294.257-010	AUCTIONEER	3 2 3	6	L456	I	08.0706 08.0701	4470	71900	30001899	284
294.667-010	AUCTION ASSISTANT	2 1 2	2	L45	I	08.0706 08.0701	4699	79000	30001899	336
299.251-010	SALES-SERVICE REPRESENTATIVE, MILKING MA	4 3 4	6	M45	B	08.0706 08.1202	4233	71998	30001808	259

PROGRAM: 01.0504 ANIMAL GROOMING.

---------------- AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO GROOM PETS SUCH AS DOGS AND CATS BY CLIPPING THE NAILS, CLEANING THE EARS, BRUSHING THE HAIR, BATHING AND DRYING THE ANIMAL, STYLING THE HAIR THROUGH THE USE OF HAIR CLIPPERS AND SCISSORS, AND BEAUTIFYING THROUGH THE USE OF ITEMS SUCH AS BOWS.

DICTIONARY OF OCCUPATIONAL TITLES CODE	FOURTH EDITION TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
277.357-042	SALESPERSON, PETS AND PET SUPPLIES	4	3	4	4	L45	I	08.0706 01.0503 08.0705	4359	71999	30001807	274
410.674-010	ANIMAL CARETAKER	2	1	1	4	M46	I6	01.0302 01.0502 17.0501 17.0303 17.0511 17.0512	5624	55D14	80000200	487
418.674-010	DOG GROOMER	3	2	3	4	M46	I6		5624	55D14	80000200	487
418.677-010	DOG BATHER	3	2	2	2	L46	I		5624	55D14	80000200	487

PROGRAM: 01.0505 ANIMAL TRAINING.

---------------- AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO TEACH ANIMALS TO OBEY COMMANDS, COMPETE IN SHOWS, OR PERFORM TRICKS TO ENTERTAIN AN AUDIENCE.

DICTIONARY OF OCCUPATIONAL TITLES CODE	FOURTH EDITION TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
153.224-010	ATHLETIC TRAINER	5	4	4	8	M345	B		3400	25496	10220405	199
153.224-014	RACEHORSE TRAINER	4	2	3	6	L6	O		3400	29000	10243899	199
153.387-010	IDENTIFIER, HORSE	3	3	3	3	L6	I		3400	29000	10243899	199
153.674-010	EXERCISER, HORSE	2	1	1	3	M234	O6		3400	29000	10243899	199
153.674-014	LEAD PONY RIDER	2	1	1	2	M24	O6		3400	29000	10243899	199
159.224-010	ANIMAL TRAINER	4	3	4	6	L345	B46		3280	29000	10243899	194
159.344-010	EQUESTRIAN	3	3	1	6	M2456	I		3280	29000	10243899	194
159.344-014	RODEO PERFORMER	3	2	3	5	H2346	B6		3280	29000	10243899	194
159.344-018	SHOW-HORSE DRIVER	3	2	2	5	L24	B		3280	29000	10243899	194
349.224-010	ANIMAL-RIDE MANAGER	4	3	3	6	M345	O	06.0702 31.0201	5254	19000	20061699	459
349.367-010	KENNEL MANAGER, DOG TRACK	3	1	2	6	L46	I		5269	49000	70200099	469
349.367-014	RECEIVING-BARN CUSTODIAN	3	2	3	3	L56	I		5269	49000	70200099	469
410.674-014	COWPUNCHER	2	2	2	4	M2346	O	01.0302	5617	00000	90040400	479
410.674-022	STABLE ATTENDANT	2	1	1	2	H4	I7	01.0302	5624	55D14	80000200	487
419.224-010	HORSE TRAINER	3	2	2	7	M23456	B	01.0502	5617	00000	90040400	479

PROGRAM: 01.0506 HORSESHOEING.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO SELECT ALUMINUM AND STEEL SHOES (PLATES) AND FIT, SHAPE, AND NAIL SHOES TO ANIMALS' HOOVES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
153.287-010	HOOF AND SHOE INSPECTOR	4	1	3	6	L346	O		3400	29000	10243899	199
418.381-010	HORSESHOER	3	2	2	6	M346	I6	01.0502	5624	59002	63000000	487

PROGRAM: 01.0599 AGRICULTURAL SERVICES AND SUPPLIES, OTHER.

ANY INSTRUCTIONAL PROGRAM IN AGRICULTURAL SERVICES AND SUPPLIES NOT DESCRIBED ABOVE.

PROGRAM: 01.0600 HORTICULTURE.

A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS TO PRODUCE, PROCESS, AND MARKET PLANTS, SHRUBS, AND TREES USED PRINCIPALLY FOR ORNAMENTAL, RECREATIONAL, AND AESTHETIC PURPOSES AND TO ESTABLISH, MAINTAIN, AND MANAGE HORTICULTURAL ENTERPRISES SUCH AS ARBORICULTURE, FLORICULTURE, GREENHOUSE OPERATION AND MANAGEMENT, LANDSCAPING, NURSERY OPERATION AND MANAGEMENT, AND TURF MANAGEMENT. INCLUDES INSTRUCTION IN MACHINERY AND EQUIPMENT NECESSARY FOR EACH HORTICULTURAL ENTERPRISE.

PROGRAM: 01.0601 HORTICULTURE, GENERAL.

AN INSTRUCTIONAL PROGRAM THAT GENERALLY PREPARES INDIVIDUALS TO PRODUCE, PROCESS, AND MARKET PLANTS, SHRUBS, AND TREES USED PRINCIPALLY FOR ORNAMENTAL, RECREATIONAL, AND AESTHETIC PURPOSES AND TO ESTABLISH, MAINTAIN, AND MANAGE HORTICULTURAL ENTERPRISES SUCH AS ARBORICULTURE, FLORICULTURE, GREENHOUSE OPERATION AND MANAGEMENT, LANDSCAPING, NURSERY OPERATION AND MANAGEMENT, AND TURF MANAGEMENT. INCLUDES INSTRUCTION IN MACHINERY AND EQUIPMENT NECESSARY FOR EACH HORTICULTURAL ENTERPRISE.

PROGRAM: 01.0602 **ARBORICULTURE.** AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO CULTIVATE AND MAINTAIN WOODY PLANTS AND TREES USED FOR DECORATION AND SHADE PURPOSES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
408.131-010	SUPERVISOR, SPRAY, LAWN AND TREE SERVICE	4	4	4	7	L456	B	01.0607 02.0404 02.0408 02.0410	5621	00000	90040200	485
408.137-014	SUPERVISOR, TREE-TRIMMING	4	3	4	6	M2456	067	02.0404	5621	55B29	50040003	485
408.181-010	TREE SURGEON	4	2	2	6	M2346	0467	02.0404	3820	00000	80001402	223
408.381-010	SCOUT	3	2	3	4	M246	0	01.0304 01.0502 02.0408	5627	59002	63000000	489
408.664-010	TREE TRIMMER	3	2	2	4	H246	06		5730	55V07	80001402	496
408.667-010	TREE-TRIMMER HELPER	1	1	1	2	M34	06		5730	59003	80002899	496
408.684-014	SPRAYER, HAND	3	2	2	4	H2346	067	01.0304 01.0604 01.0605 01.0606 01.0607	5614	00000	90040400	479
408.684-018	TREE PRUNER	3	2	3	4	M234	06	01.0304	5614	00000	90040400	479
408.687-018	TREE-SURGEON HELPER 2	2	1	2	2	H2346	056	01.0606	5619	00000	90040400	484

PROGRAM: 01.0603 **FLORICULTURE.** AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO PRODUCE FLOWERS, FOLIAGE, AND RELATED PLANT MATERIALS IN FIELDS AND GREENHOUSES FOR ORNAMENTAL PURPOSES, AND TO ARRANGE, PACKAGE, AND MARKET THESE MATERIALS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
142.081-010	FLORAL DESIGNER	4	3	3	6	L46	I24	02.0404 08.0503 20.0504	3220	25489	10221001	183
260.357-025	SALESPERSON, FLOWERS	4	3	3	4	L456	I4	08.0706 08.0503 08.0705 20.0504	4359	71999	30001807	274
275.357-022	SALES REPRESENTATIVE, CORDAGE	4	3	4	5	L5	I	08.0706 08.0702	4242	71999	30001807	259
405.137-010	SUPERVISOR, ROSE-GRADING	4	3	4	7	M456	I2	02.0404	5611	00000	90040200	477
405.161-010	BONSAI CULTURIST	4	3	3	7	L46	I	02.0404	5515	00000	90040400	474
405.683-010	FARMWORKER, BULBS	3	2	2	5	M2346	0567		5619	00000	90040400	484
405.684-010	BUDDER	2	1	2	2	M34	0	01.0606	5619	00000	90040400	484
405.684-014	HORTICULTURAL WORKER 1	3	2	3	3	H2346	I47	01.0604 01.0606	5619	00000	90040400	484
405.687-010	FLOWER PICKER	1	1	1	1	L34	0		5619	00000	90040400	484

*** PROGRAM: 01.0603 FLORICULTURE. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
405.687-014	HORTICULTURAL WORKER 2	2 1 1	2	H34	O	01.0604 01.0606 01.0607	5619	00000	90040400	484
405.687-018	TRANSPLANTER, ORCHID	2 1 2	2	H46	I	01.0604 01.0606	5619	00000	90040400	484
453.687-010	FOREST-PRODUCTS GATHERER	2 1 1	2	M346	O4		5720	00000	80002899	495
739.687-118	INSPECTOR, WREATH	2 1 1	3	L46	I		7820	55B58	50142202	796
920.687-046	BUNDLER, SEASONAL GREENERY	2 1 1	2	M34	B		8769	00000	90040400	889
920.687-094	GREENS TIER	1 1 1	1	M4	I		8761	59003	80002899	888
920.687-134	PACKER, AGRICULTURAL PRODUCE	2 1 1	2	M346	I4	01.0402	8761	55039	61060802	888

PROGRAM: 01.0604 GREENHOUSE OPERATION AND MANAGEMENT. AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO PRODUCE PLANTS UNDER GLASS AND IN OTHER ARTIFICIAL ENVIRONMENTS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
180.167-042	MANAGER, NURSERY	4 4 4	7	L456	B	06.1401 01.0104 01.0606 02.0403 02.0404 08.0502	5525	19000	20061699	476
272.357-022	SALESPERSON, HORTICULTURAL AND NURSERY P	4 3 4	4	L45	I	08.0706 01.0503 01.0606 02.0404 08.0502 08.0503 08.0705	4353	71999	30001807	268
405.131-010	SUPERVISOR, HORTICULTURAL-SPECIALTY FARM	4 3 4	7	M3456	I	01.0304 02.0403 01.0606 02.0404	5611	00000	90040200	477
405.161-018	HORTICULTURAL-SPECIALTY GROWER, INSIDE	4 3 4	7	M346	I4	01.0304 02.0403 01.0606 02.0404	5515	00000	90020200	474
405.361-010	PLANT PROPAGATOR	4 4 4	6	M346	I	02.0403 02.0402 02.0404	5515	00000	90040400	474

*** PROGRAM: 01.0604 GREENHOUSE OPERATION AND MANAGEMENT. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
405.684-014	HORTICULTURAL WORKER 1	3	2	3	3	H2346	I47	01.0603 01.0606	5619	00000	90040400	484
405.687-014	HORTICULTURAL WORKER 2	2	1	1	2	H34	0	01.0603 01.0606 01.0607	5619	00000	90040400	484
405.687-018	TRANSPLANTER, ORCHID	2	1	2	2	M46	I	01.0603 01.0606	5619	00000	90040400	484
408.684-014	SPRAYER, HAND	3	2	2	4	H2346	067	01.0304 01.0602 01.0605 01.0606 01.0607	5614	00000	90040400	479
409.687-018	WEEDER-THINNER	1	1	1	1	M34	0		5613	00000	90040400	479

PROGRAM: 01.0605 LANDSCAPING.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO LOCATE, PLANT, AND MAINTAIN TURF, PLANTS, SHRUBS, OR DEVICES FOR THE BEAUTIFICATION OF HOME GROUNDS AND OTHER AREAS OF HUMAN HABITATION AND RECREATION.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
182.167-014	LANDSCAPE CONTRACTOR	4	4	4	8	L5	B	02.0404	1330	19000	20061699	019
301.687-018	YARD WORKER	2	2	2	2	H234	0		5622	00000	80001401	486
406.134-014	SUPERVISOR, PARK WORKERS	4	3	4	6	L456	06	01.0607 02.0404 02.0410	5621	55B29	50040003	485
406.381-010	GARDENER, SPECIAL EFFECTS AND INSTRUCTIO	4	3	3	5	M346	B	01.0607	5622	55T47	80001401	486
406.684-014	GROUNDSKEEPER, INDUSTRIAL-COMMERCIAL	2	1	2	3	M234	05		5622	55T47	80001401	486
406.687-010	GROUNDSKEEPER, PARKS AND GROUNDS	2	1	2	2	M2346	05	01.0607	5622	55T47	80001401	486
408.161-010	LANDSCAPE GARDENER	4	4	4	7	H346	056	02.0404 02.0410	5515	55T47	80001401	474
408.662-010	HYDRO-SPRAYER OPERATOR	3	2	2	4	H2346	05	01.0204	5616	00000	90040400	479
408.684-010	LAWN-SERVICE WORKER	3	2	2	4	H46	05	01.0607 02.0410	5622	55T47	80001401	486
408.684-014	SPRAYER, HAND	3	2	2	4	H2346	067	01.0304 01.0602 01.0604 01.0606 01.0607	5614	00000	90040400	479
408.687-014	LABORER, LANDSCAPE	2	2	2	2	H34	056		5622	55T47	80001401	486
869.684-030	LAWN-SPRINKLER INSTALLER	3	2	2	5	M[illegible]	04	01.0206 46.0503	6479	59002	63000000	599

PROGRAM: 01.0606 NURSERY OPERATION AND MANAGEMENT.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO PRODUCE TURF, PLANTS, SHRUBS, AND/OR TREES FOR THE PURPOSE OF TRANSPLANTING OR PROPAGATING THEM.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
180.167-042	MANAGER, NURSERY	4	4	4	7	L456	B	06.1401 01.0104 01.0604 02.0404 08.0502	5525	19000	20061699	476
272.357-022	SALESPERSON, HORTICULTURAL AND NURSERY P	4	3	4	4	L45	I	08.0706 01.0503 01.0604 02.0404 08.0502 08.0503 08.0705	4353	71999	30001807	268
405.131-010	SUPERVISOR, HORTICULTURAL-SPECIALTY FARM	4	3	4	7	M3456	I	01.0304 02.0403 01.0604 02.0404	5611	00000	90040200	477
405.161-014	HORTICULTURAL-SPECIALTY GROWER, FIELD	4	3	3	7	M3456	05	01.0304 02.0403 01.0607 02.0404 02.0410	5515	00000	90020200	474
405.161-018	HORTICULTURAL-SPECIALTY GROWER, INSIDE	4	3	4	7	M346	I4	01.0304 02.0403 01.0604 02.0404	5515	00000	90020200	474
405.684-010	BUDDER	2	1	2	2	M34	0	01.0603	5619	00000	90040400	484
405.684-014	HORTICULTURAL WORKER 1	3	2	3	3	H2346	I47	01.0603 01.0604	5619	00000	90040400	484
405.687-014	HORTICULTURAL WORKER 2	2	1	1	2	H34	0	01.0603 01.0604 01.0607	5619	00000	90040400	484
405.687-018	TRANSPLANTER, ORCHID	2	1	2	2	M46	I	01.0603 01.0604	5619	00000	90040400	484
408.684-014	SPRAYER, HAND	3	2	2	4	H2346	067	01.0304 01.0602 01.0604 01.0605 01.0607	5614	00000	90040400	479
408.687-018	TREE-SURGEON HELPER 2	2	1	2	2	H2346	056	01.0602	5619	00000	90040400	484
451.137-010	FOREST NURSERY SUPERVISOR	4	3	3	6	L45	B	03.0402	5710	00000	10241600	494
451.687-018	SEEDLING PULLER	1	1	1	1	M34	04	03.0402	5720	44059	80002831	495
451.687-022	SEEDLING SORTER	1	1	1	2	L46	I4	03.0402	5720	44059	80002831	495
452.687-018	TREE PLANTER	1	1	1	1	H234	04	03.0202 03.0402	5720	44059	80002831	495

PROGRAM: 01.0607 TURF MANAGEMENT.
---------------- AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ESTABLISH, MANAGE, AND MAINTAIN GRASSED AREAS FOR ORNAMENTAL AND/OR RECREATIONAL PURPOSES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
405.161-014	HORTICULTURAL-SPECIALTY GROWER, FIELD	4 3 3	7	M3456	05	01.0304 02.0403 01.0606 02.0404 02.0410	5515	00000	90020200	474
405.687-014	HORTICULTURAL WORKER 2	2 1 1	2	H34	O	01.0603 01.0604 01.0606	5619	00000	90040400	434
406.134-010	SUPERVISOR, CEMETERY WORKERS	4 3 3	6	M456	05		5621	55B29	50040003	485
406.134-014	SUPERVISOR, PARK WORKERS	4 3 4	6	L456	06	01.0605 02.0404 02.0410	5621	55B29	50040003	485
406.137-010	GREENSKEEPER 1	4 3 3	6	H23456	06	02.0410	5621	55B29	50040003	485
406.137-014	SUPERINTENDENT, GREENS	4 4 4	7	L56	I	02.0410	5621	55B29	50040003	485
406.381-010	GARDENER, SPECIAL EFFECTS AND INSTRUCTIO	4 3 3	5	M346	B	01.0605	5622	55T47	80001401	486
406.683-010	GREENSKEEPER 2	2 1 2	3	M2346	06		5622	55T47	80001401	486
406.687-010	GROUNDSKEEPER, PARKS AND GROUNDS	2 1 2	2	M2346	05	01.0605	5622	55T47	80001401	486
408.131-010	SUPERVISOR, SPRAY, LAWN AND TREE SERVICE	4 4 4	7	L456	B	01.0602 02.0404 02.0408 02.0410	5621	00000	90040200	485
408.684-010	LAWN-SERVICE WORKER	3 2 2	4	H46	05	01.0605 02.0410	5622	55T47	80001401	486
408.684-014	SPRAYER, HAND	3 2 2	4	H2346	067	01.0304 01.0602 01.0604 01.0605 01.0606	5614	00000	90040400	479

PROGRAM: 01.0699 HORTICULTURE, OTHER.
------------------- ANY INSTRUCTIONAL PROGRAM IN HORTICULTURE NOT DESCRIBED ABOVE.

PROGRAM: 01.9900 AGRIBUSINESS AND AGRICULTURAL PRODUCTION, OTHER.
-- A GROUP OF INSTRUCTIONAL PROGRAMS IN AGRIBUSINESS AND AGRICULTURAL PRODUCTION NOT DESCRIBED ABOVE.

PROGRAM: 01.9999 AGRIBUSINESS AND AGRICULTURAL PRODUCTION, OTHER.
-- ANY INSTRUCTIONAL PROGRAM IN AGRIBUSINESS AND AGRICULTURAL PRODUCTION NOT DESCRIBED ABOVE.

PROGRAM: 02.0000 AGRICULTURAL SCIENCES. (PART)

A SUMMARY OF GROUPS OF INSTRUCTIONAL PROGRAMS THAT DESCRIBE THE PRODUCTION, PROCESSING, AND DISTRIBUTION OF FOOD AND FIBER.

PROGRAM: 02.0200 ANIMAL SCIENCES.

A GROUP OF INSTRUCTIONAL PROGRAMS THAT DESCRIBE THE THEORIES, PRINCIPLES, AND APPLICATIONS OF APPROPRIATE TECHNICAL SKILLS THAT APPLY TO THE PRODUCTION AND MANAGEMENT OF ANIMALS AND ANIMAL PRODUCTS.

PROGRAM: 02.0201 ANIMAL SCIENCES, GENERAL.

AN INSTRUCTIONAL PROGRAM THAT GENERALLY DESCRIBES THE THEORIES, PRINCIPLES, AND APPLICATIONS OF APPROPRIATE TECHNICAL SKILLS THAT APPLY TO THE PRODUCTION AND MANAGEMENT OF ANIMALS AND ANIMAL PRODUCTS.

PROGRAM: 02.0202 ANIMAL BREEDING AND GENETICS.

AN INSTRUCTIONAL PROGRAM THAT DESCRIBES THE PRINCIPLES OF INHERITANCE AND THEIR APPLICATIONS FOR THE IMPROVEMENT OF AGRICULTURAL ANIMALS THROUGH BREEDING AND SELECTION.

DICTIONARY OF OCCUPATIONAL TITLES CODE	FOURTH EDITION TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
040.361-010	LABORATORY TECHNICIAN, ARTIFICIAL BREEDI	4	4	4	5	L46	I6	01.0302 01.0502	3820	33002	10081899	223
169.171-010	GAMEKEEPER	4	3	3	6	H234	O	01.0305 02.0204 03.0601	5840	55D14	80000200	499
180.167-010	ARTIFICIAL-BREEDING DISTRIBUTOR	4	3	4	7	L3456	B7	01.0502 02.0402	5524	00000	90020400	475
180.167-018	GENERAL MANAGER, FARM	5	4	4	8	L5	B	01.0104 01.0302 01.0304 02.0203 02.0204 02.0205 02.0208 02.0402	5522	19000	20061699	475
180.167-034	MANAGER, GAME BREEDING FARM	5	3	4	7	L456	B56	01.0104 01.0305 02.0203 02.0204	5524	00000	90020400	475
410.131-014	SUPERVISOR, ARTIFICIAL BREEDING RANCH	4	3	3	7	M3456	I	01.0302 02.0203 02.0204 02.0205 02.0208	5611	00000	90020400	477
410.161-010	ANIMAL BREEDER	4	3	3	6	M3456	B7	01.0302 01.0502 02.0208	5514	00000	90020200	473

*** PROGRAM: 02.0202 ANIMAL BREEDING AND GENETICS. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1960 CENSUS CODE
410.161-018	LIVESTOCK RANCHER	4	3	3	7	H346	B67	01.0302 02.0203 02.0204 02.0205 02.0208	5514	00000	90020200	473
411.161-010	CANARY BREEDER	4	2	3	5	L456	I	01.0302 02.0209	5514	00000	90020200	473
411.161-014	POULTRY BREEDER	4	3	3	7	L4	I	01.0302 01.0502 02.0209	5514	00000	90020200	473
412.131-010	SUPERVISOR, GAME FARM	4	3	4	5	M3456	06	01.0305 02.0203 02.0204	5611	00000	90040200	477
418.384-010	ARTIFICIAL INSEMINATOR	3	3	2	3	M246	B467	01.0302 01.0502	3820	33002	10081899	223
418.384-014	ARTIFICIAL-BREEDING TECHNICIAN	3	3	2	6	L346	I67	01.0302 01.0502	3820	33002	10081899	223
421.161-010	FARMER, GENERAL	4	4	4	7	H2346	B67	01.0302 01.0304 02.0203 02.0204 02.0205 02.0208	5512	00000	90020200	473
421.161-010	FARMER, GENERAL	4	4	4	7	H2346	B67	02.0402	5512	00000	90020200	473

PROGRAM: 02.0203 ANIMAL HEALTH.

AN INSTRUCTIONAL PROGRAM THAT DESCRIBES THE ENVIRONMENT, DRUGS, ANTIBIOTICS, VACCINATIONS, BLOOD TESTS, AND OTHER FACTORS THAT AFFECT THE PREVENTION AND CONTROL OF DISEASES IN AGRICULTURAL ANIMALS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
073.361-010	LABORATORY TECHNICIAN, VETERINARY	5	4	4	6	L46	I	01.0302 02.0205 17.0501 17.0303	3690	33002	10081899	208
180.167-018	GENERAL MANAGER, FARM	5	4	4	8	L5	B	01.0104 01.0302 01.0304 02.0202 02.0204 02.0205 02.0208 02.0402	5522	19000	20061699	475
180.167-026	MANAGER, DAIRY FARM	4	3	3	8	L3456	B	01.0104 01.0302 02.0204 02.0206	5524	00000	90020400	475

*** PROGRAM: 02.0203 ANIMAL HEALTH. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
180.167-030	MANAGER, FISH HATCHERY	5	3	4	7	L456	B	01.0104 01.0303 02.0204 02.0207 03.0302	5524	00000	90020400	475
180.167-034	MANAGER, GAME BREEDING FARM	5	3	4	7	L456	B56	01.0104 01.0305 02.0202 02.0204	5524	00000	90020400	475
180.167-038	MANAGER, GAME PRESERVE	5	4	4	8	L456	B	01.0104 01.0305 02.0204 02.0409	5524	00000	90020400	475
180.167-046	MANAGER, POULTRY HATCHERY	4	3	3	7	L45	I	01.0104 01.0302 02.0204 02.0209	5524	00000	90020400	475
262.357-010	SALES REPRESENTATIVE, CHEMICALS AND DRUG	4	3	4	5	L5	I	08.0706 01.0503 08.0702	4237	71998	30001808	259
410.131-010	BARN BOSS	4	3	3	7	L56	I7	01.0302 02.0204	5611	55B29	50040003	477
410.131-014	SUPERVISOR, ARTIFICIAL BREEDING RANCH	4	3	3	7	M3456	I	01.0302 02.0202 02.0204 02.0205 02.0208	5611	00000	90020400	477
410.131-018	SUPERVISOR, DAIRY FARM	4	3	3	7	M3456	B67	01.0302 02.0204 02.0205 02.0206	5611	00000	90040200	477
410.134-010	SUPERVISOR, LIVESTOCK-YARD	3	3	3	6	L56	B45	01.0302 02.0208	7100	55B29	50040003	633
410.161-018	LIVESTOCK RANCHER	4	3	3	7	H346	B67	01.0302 02.0202 02.0204 02.0205 02.0208	5514	00000	90020200	473
412.131-010	SUPERVISOR, GAME FARM	4	3	4	5	M3456	O6	01.0305 02.0202 02.0204	5611	00000	90040200	477
412.137-010	ANIMAL KEEPER, HEAD	4	3	3	7	M456	B6	01.0305 02.0204	5621	55B29	50040003	485
421.161-010	FARMER, GENERAL	4	4	4	7	H2346	B67	01.0302 01.0304 02.0202 02.0204 02.0205 02.0208 02.0402	5512	00000	90020200	473

PROGRAM: 02.0204 ANIMAL NUTRITION.
----------------- AN INSTRUCTIONAL PROGRAM THAT DESCRIBES THE RELATIONSHIP IN AGRICULTURAL ANIMALS OF PROTEINS, FATS, CARBOHYDRATES, WATER, MINERALS, VITAMINS, AND FEED ADDITIVES IN THE PRODUCTION OF MEAT, MILK, EGGS, AND WOOL.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION		GED										
CODE	TITLE	R	M	L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
049.364-010	FEED-RESEARCH AIDE	3	2	2	4	M4	B7	01.0302	3820	33002	10081899	223
096.127-018	FEED AND FARM MANAGEMENT ADVISER	4	3	4	7	L456	B	01.0502	2390	25550	10241400	159
169.171-010	GAMEKEEPER	4	3	3	6	H234	O	01.0305 02.0202 03.0601	5840	55D14	80000200	499
180.167-018	GENERAL MANAGER, FARM	5	4	4	8	L5	B	01.0104 01.0302 01.0304 02.0202 02.0203 02.0205 02.0208 02.0402	5522	19000	20061699	475
180.167-026	MANAGER, DAIRY FARM	4	3	3	8	L3456	B	01.0104 01.0302 02.0203 02.0206	5524	00000	90020400	475
180.167-030	MANAGER, FISH HATCHERY	5	3	4	7	L456	B	01.0104 01.0303 02.0203 02.0207 03.0302	5524	00000	90020400	475
180.167-034	MANAGER, GAME BREEDING FARM	5	3	4	7	L456	B56	01.0104 01.0305 02.0202 02.0203	5524	00000	90020400	475
180.167-038	MANAGER, GAME PRESERVE	5	4	4	8	L456	B	01.0104 01.0305 02.0203 02.0409	5524	00000	90020400	475
180.167-046	MANAGER, POULTRY HATCHERY	4	3	3	7	L45	I	01.0104 01.0302 02.0203 02.0209	5524	00000	90020400	475
272.357-010	SALES REPRESENTATIVE, ANIMAL-FEED PRODUC	4	3	4	6	L5	I	08.0706 01.0304 01.0503 08.0502 08.0702	4233	71998	30001808	259
272.357-018	SALES REPRESENTATIVE, POULTRY EQUIPMENT	4	3	4	6	M5	B	08.0706 01.0503 02.0209 08.0502 08.0702 08.1202	4233	71998	30001808	259

*** PROGRAM: 02.0204 ANIMAL NUTRITION. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION		GED			S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
CODE	TITLE	R	M	L								
410.131-010	BARN BOSS	4	3	3	7	L56	I7	01.0302 02.0203	5611	55B29	50040003	477
410.131-014	SUPERVISOR, ARTIFICIAL BREEDING RANCH	4	3	3	7	M3456	I	01.0302 02.0202 02.0203 02.0205 02.0208	5611	00000	90020400	477
410.131-018	SUPERVISOR, DAIRY FARM	4	3	3	7	M3456	B67	01.0302 02.0203 02.0205 02.0206	5611	00000	90040200	477
410.161-018	LIVESTOCK RANCHER	4	3	3	7	H346	B67	01.0302 02.0202 02.0203 02.0205 02.0208	5514	00000	90020200	473
412.131-010	SUPERVISOR, GAME FARM	4	3	4	5	M3456	D6	01.0305 02.0202 02.0203	5611	00000	90040200	477
412.137-010	ANIMAL KEEPER, HEAD	4	3	3	7	M456	B6	01.0305 02.0203	5621	55B29	50040003	485
421.161-010	FARMER, GENERAL	4	4	4	7	H2346	B67	01.0302 01.0304 02.0202 02.0203 02.0205 02.0208 02.0402	5512	00000	90020200	473

PROGRAM: 02.0205 ANIMAL PHYSIOLOGY.

AN INSTRUCTIONAL PROGRAM THAT DESCRIBES THE BODY PROCESSES AND FUNCTIONS THAT RELATE TO AGRICULTURAL ANIMAL PRODUCTION, SUCH AS LACTATION, REPRODUCTION (INCLUDING ARTIFICIAL INSEMINATION AND HEAT DETECTION), EGG PRODUCTION, DIGESTION, GROWTH, AND WOOL PRODUCTION.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION		GED			S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
CODE	TITLE	R	M	L								
073.361-010	LABORATORY TECHNICIAN, VETERINARY	5	4	4	6	L46	I	01.0302 02.0203 17.0501 17.0303	3690	33002	10081899	208
180.167-018	GENERAL MANAGER, FARM	5	4	4	8	L5	B	01.0104 01.0302 01.0304 02.0202 02.0203 02.0204 02.0208 02.0402	5522	19000	20061699	475

*** PROGRAM: 02.0205 ANIMAL PHYSIOLOGY. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION		GED			S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
CODE	TITLE	R	M	L								
410.131-014	SUPERVISOR, ARTIFICIAL BREEDING RANCH	4	3	3	7	M3456	I	01.0302 02.0202 02.0203	5611	00000	90020400	477
410.131-014	SUPERVISOR, ARTIFICIAL BREEDING RANCH	4	3	3	7	M3456	I	02.0204 02.0208	5611	00000	90020400	477
410.131-018	SUPERVISOR, DAIRY FARM	4	3	3	7	M3456	B67	01.0302 02.0203 02.0204 02.0206	5611	00000	90040200	477
410.161-018	LIVESTOCK RANCHER	4	3	3	7	H346	B67	01.0302 02.0202 02.0203 02.0204 02.0208	5514	00000	90020200	473
421.161-010	FARMER, GENERAL	4	4	4	7	H2346	B67	01.0302 01.0304 02.0202 02.0203 02.0204 02.0208 02.0402	5512	00000	90020200	473

PROGRAM: 02.0206 DAIRY.

------ AN INSTRUCTIONAL PROGRAM THAT DESCRIBES THE THEORIES, PRINCIPLES, AND APPLICATIONS OF APPROPRIATE TECHNICAL SKILLS THAT APPLY TO THE PRODUCTION AND MANAGEMENT OF MILK ANIMALS AND DAIRY PRODUCTS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION		GED			S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
CODE	TITLE	R	M	L								
040.061-022	DAIRY TECHNOLOGIST	6	6	6	8	L46	I		3820	33900	10081899	223
162.117-026	FIELD-CONTACT TECHNICIAN	5	3	5	7	L5	B	01.0302 01.0503 08.0704	1449	25300	10240801	033
180.167-026	MANAGER, DAIRY FARM	4	3	3	8	L3456	B	01.0104 01.0302 02.0203 02.0204	5524	00000	90020400	475
410.131-018	SUPERVISOR, DAIRY FARM	4	3	3	7	M3456	B67	01.0302 02.0203 02.0204 02.0205	5611	00000	90040200	477
410.357-010	MILK SAMPLER	3	2	3	4	M3456	B	02.0302	4757	55N52	80002899	369

PROGRAM: 02.0207 FISHERIES SCIENCE.

AN INSTRUCTIONAL PROGRAM THAT DESCRIBES THE LIFE PROCESSES OF WATERLIFE, INCLUDING AGE AND RATE OF GROWTH, POPULATIONS, HABITATS, REPRODUCTION, AND MORTALITY.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
180.167-030	MANAGER, FISH HATCHERY	5	3	4	7	L456	B	01.0104 01.0303 02.0203 02.0204 03.0302	5524	00000	90020400	475
446.133-010	SUPERVISOR, SHELLFISH FARMING	4	2	3	6	M3456	04	01.0303 03.0302	5611	00000	90040200	477
446.134-010	SUPERVISOR, FISH HATCHERY	4	2	3	7	M3456	0467	01.0303 03.0302	5611	00000	80002899	477
446.161-010	FISH FARMER	4	1	2	6	M2346	04	01.0303 03.0302	5514	00000	80002899	473
446.161-014	SHELLFISH GROWER	4	1	2	6	M234	04	01.0303 03.0302	5514	00000	80002899	473

PROGRAM: 02.0208 LIVESTOCK.

AN INSTRUCTIONAL PROGRAM THAT DESCRIBES THE THEORIES, PRINCIPLES, AND APPLICATIONS OF APPROPRIATE TECHNICAL SKILLS THAT APPLY TO THE PRODUCTION AND MANAGEMENT OF LIVESTOCK AND LIVESTOCK PRODUCTS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
162.157-026	COMMISSION AGENT, LIVESTOCK	4	3	4	6	L56	I	08.0706 01.0503 08.0605 08.0707	4246	71999	30001807	259
180.167-018	GENERAL MANAGER, FARM	5	4	4	8	L5	B	01.0104 01.0302 01.0304 02.0202 02.0203 02.0204 02.0205 02.0402	5522	19000	20061699	475
260.257-010	SALES REPRESENTATIVE, LIVESTOCK	4	3	4	5	L5	I	08.0706 01.0503 08.0605	4246	71999	30001807	259
410.131-014	SUPERVISOR, ARTIFICIAL BREEDING RANCH	4	3	3	7	M3456	I	01.0302 02.0202	5611	00000	90020400	477
410.131-014	SUPERVISOR, ARTIFICIAL BREEDING RANCH	4	3	3	7	M3456	I	02.0203 02.0204 02.0205	5611	00000	90020400	477
410.131-022	SUPERVISOR, STOCK RANCH	4	3	3	7	M23456	B567	01.0302	5611	00000	90040200	477
410.134-010	SUPERVISOR, LIVESTOCK-YARD	3	3	3	6	L56	B45	01.0302 02.0203	7100	55B29	50040003	633
410.134-014	SUPERVISOR, WOOL-SHEARING	4	3	3	7	H4	07	01.0302 01.0502	5611	00000	90040200	477

*** PROGRAM: 02.0208 LIVESTOCK. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
410.137-010	CAMP TENDER	3 2 3	6	L346	O	01.0302 02.0409	5611	00000	90040400	477
410.137-014	TOP SCREW	4 3 3	7	H24	O	01.0302 02.0409	5611	00000	90040200	477
410.161-010	ANIMAL BREEDER	4 3 3	6	M3456	B7	01.0302 01.0502 02.0202	5514	00000	90020200	473
410.161-014	FUR FARMER	4 3 3	6	L4	B	01.0302	5514	00000	90020200	473
410.161-018	LIVESTOCK RANCHER	4 3 3	7	H346	B67	01.0302 02.0202 02.0203 02.0204 02.0205	5514	00000	90020200	473
421.161-010	FARMER, GENERAL	4 4 4	7	H2346	B67	01.0302 01.0304 02.0202 02.0203 02.0204 02.0205 02.0402	5512	00000	90020200	473

PROGRAM: 02.0209 POULTRY.

AN INSTRUCTIONAL PROGRAM THAT DESCRIBES THE THEORIES, PRINCIPLES, AND APPLICATIONS OF APPROPRIATE TECHNICAL SKILLS THAT APPLY TO THE PRODUCTION AND MANAGEMENT OF POULTRY AND POULTRY PRODUCTS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
180.167-046	MANAGER, POULTRY HATCHERY	4 3 3	7	L45	I	01.0104 01.0302 02.0203 02.0204	5524	00000	90020400	475
272.357-018	SALES REPRESENTATIVE, POULTRY EQUIPMENT	4 3 4	6	M5	B	08.0706 01.0503 02.0204 08.0502 08.0702 08.1202	4233	71998	30001808	259
411.131-010	SUPERVISOR, POULTRY FARM	4 2 3	7	M56	I	01.0302	5611	00000	90040200	477
411.137-010	SUPERVISOR, POULTRY HATCHERY	4 2 3	6	L45	I	01.0302	5611	00000	90040200	477
411.161-010	CANARY BREEDER	4 2 3	5	L456	I	01.0302 02.0202	5514	00000	90020200	473
411.161-014	POULTRY BREEDER	4 3 3	7	L4	I	01.0302 01.0502 02.0202	5514	00000	90020200	473
411.161-018	POULTRY FARMER	4 3 3	7	M46	B5	01.0302	5514	00000	90020200	473
411.267-010	FIELD SERVICE TECHNICIAN, POULTRY	4 3 3	7	L3456	B	01.0302	5627	00000	50142202	489

*** PROGRAM: 02.0209 POULTRY. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
411.364-010	BLOOD TESTER, FOWL	3	2	2	2	M46	B	01.0502 01.0302	3820	00000	10081899	223
411.364-014	POULTRY TENDER	3	2	2	5	H4	B7	01.0502 01.0302	5617	00000	90040400	479
411.384-010	POULTRY INSEMINATOR	3	2	2	3	M4	B	01.0302	3820	33002	10081899	223
412.161-010	GAME-BIRD FARMER	4	3	3	6	L4	B	01.0502 01.0305 03.0601	5514	00000	90020200	473
529.137-042	SUPERVISOR, EGG PROCESSING	4	3	3	7	L45	I		7100	55B29	50040003	633

PROGRAM: 02.0299 ANIMAL SCIENCES, OTHER.

ANY INSTRUCTONAL PROGRAM IN ANIMAL SCIENCES NOT DESCRIBED ABOVE.

PROGRAM: 02.0300 FOOD SCIENCES. (PART)

A GROUP OF INSTRUCTIONAL PROGRAMS THAT DESCRIBE THE PRINCIPLES AND PRACTICES INVOLVED IN CONVERTING AGRICULTURAL PRODUCTS TO FORMS SUITABLE FOR DIRECT HUMAN CONSUMPTION, OR FOR STORAGE.

PROGRAM: 02.0302 DAIRY PROCESSING.

AN INSTRUCTIONAL PROGRAM THAT DESCRIBES THE PRINCIPLES, SCIENCES, AND PRACTICES INVOLVED WITH THE CONVERSION OF RAW MILK TO DAIRY FOODS INCLUDING MILK, CHEESE, AND DEHYDRATED AND FROZEN PRODUCTS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
029.361-[illegible]4	FOOD TESTER	5	5	4	5	L46	I7	02.0306 15.0504	3831	33001	10081899	224
029.361-014	FOOD TESTER	5	5	4	5	L46	I7	15.0602 20.0407	3831	33001	10081899	224
410.357-010	MILK SAMPLER	3	2	3	4	M3456	B	02.0206	4757	55N52	80002899	369
529.131-014	SUPERVISOR, DAIRY PROCESSING	4	3	3	7	L2456	I345	20.0406 47.0305	7100	55B29	50040003	633
529.132-070	SUPERVISOR, MALTED MILK	4	2	3	7	M245	I5		7100	55B29	50040003	633
529.137-014	SANITARIAN	4	2	3	7	L2346	I47	15.0504 20.0406	7100	56B29	50040003	633
529.137-066	SUPERVISOR, WHIPPED TOPPING	4	2	3	7	L5	I45		7100	55B29	50040003	633
529.361-018	CHEESEMAKER	4	3	4	7	L45	I4		6873	55G07	61086029	688
529.362-010	BUTTERMAKER	3	3	2	6	H346	I24		7676	55F35	61086024	757
529.382-018	DAIRY-PROCESSING-EQUIPMENT OPERATOR	4	2	3	5	H2346	I456		7476	55H35	61086026	757
529.387-010	CHEESE GRADER	3	2	2	5	L46	I		7850	55T61	61060401	799

PROGRAM: 02.0399 FOOD SCIENCES, OTHER.
--------------------- ANY INSTRUCTIONAL PROGRAM IN FOOD SCIENCES NOT DESCRIBED ABOVE.

PROGRAM: 02.0400 PLANT SCIENCES.
--------------- A GROUP OF INSTRUCTIONAL PROGRAMS THAT DESCRIBE THE THEORIES AND PRINCIPLES OF SCIENCE AND PRACTICES INVOLVED IN THE PRODUCTION AND MANAGEMENT OF PLANTS FOR FOOD, FEED, FIBER, AND SOIL CONSERVATION.

PROGRAM: 02.0401 PLANT SCIENCES, GENERAL.
------------------------ AN INSTRUCTIONAL PROGRAM THAT GENERALLY DESCRIBES THE THEORIES AND PRINCIPLES OF SCIENCE AND PRACTICES INVOLVED IN THE PRODUCTION AND MANAGEMENT OF PLANTS FOR FOOD, FEED, FIBER, AND SOIL CONSERVATION.

PROGRAM: 02.0402 AGRONOMY.
--------- AN INSTRUCTIONAL PROGRAM THAT DESCRIBES THE PRINCIPLES AND PRACTICES INVOLVED IN THE DEVELOPMENT, PRODUCTION, AND MANAGEMENT OF FIELD CROPS, INCLUDING PLANT BREEDING, PLANT DISEASES, SOILS, INSECT CONTROL, AND WEED CONTROL.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
040.361-014	SEED ANALYST	4	4	4	7	L46	B	01.0304	3820	33002	10081899	223
041.061-082	PLANT BREEDER	6	6	6	8	L46	I		1853	22301	10040200	077
049.384-010	BIOLOGICAL AIDE	3	3	3	6	M46	B	01.0302 01.0304 02.0403 41.0101	3820	33002	10081899	223
180.167-010	ARTIFICIAL-BREEDING DISTRIBUTOR	4	3	4	7	L3456	B7	01.0502 02.0202	5524	00000	90020400	475
180.167-014	FIELD SUPERVISOR, SEED PRODUCTION	5	4	4	6	L456	B	01.0304 01.0502	5611	00000	90020400	477
180.167-018	GENERAL MANAGER, FARM	5	4	4	8	L5	B	01.0104 01.0302 01.0304 02.0202 02.0203 02.0204 02.0205 02.0208	5522	19000	20061699	475
401.161-010	FARMER, CASH GRAIN	4	3	3	7	H456	05	01.0304	5513	00000	90020200	473
402.131-010	SUPERVISOR, VEGETABLE FARMING	4	2	3	7	M23456	0567	01.0304 02.0403	5611	00000	90040200	477
402.161-010	FARMER, VEGETABLE	4	4	4	7	M23456	057	01.0304 02.0403	5513	00000	90020200	473
404.131-010	SUPERVISOR, FIELD-CROP FARMING	4	3	3	7	M3456	05	01.0304	5611	00000	90040200	477
404.161-010	FARMER, FIELD CROP	4	4	4	7	M3456	04567	01.0304	5513	00000	90020200	473
405.361-010	PLANT PROPAGATOR	4	4	4	6	M346	I	01.0604 02.0403 02.0404	5515	00000	90040400	474

*** PROGRAM: 02.0402 AGRONOMY. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
407.131-010	SUPERVISOR, DIVERSIFIED CROPS	4 3 4	7	M3456	0567	01.0304	5611	00000	90040200	477
407.161-010	FARMER, DIVERSIFIED CROPS	4 4 4	7	M456	0567	01.0304	5512	00000	90020200	473
421.161-010	FARMER, GENERAL	4 4 4	7	H2346	B67	01.0302 01.0304 02.0202 02.0203 02.0204 02.0205 02.0208	5512	00000	90020200	473

PROGRAM: 02.0403 HORTICULTURE SCIENCE.

AN INSTRUCTIONAL PROGRAM THAT DESCRIBES THE PRINCIPLES AND PRACTICES INVOLVED IN THE PRODUCTION OF FRUITS AND VEGETABLES AND THE MANAGEMENT OF THE PESTS OF THESE CROPS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
049.384-010	BIOLOGICAL AIDE	3 3 3	6	M46	B	01.0302 01.0304 02.0402 41.0101	3820	33002	10081899	223
180.167-042	MANAGER, NURSERY	4 4 4	7	L456	B	06.1401 01.0604 01.0606 02.0404 08.0502	5525	19000	20061699	476
180.167-054	SUPERINTENDENT	5 4 4	7	L56	B	02.0306 15.0602	1320	19000	20061699	019
180.167-058	SUPERINTENDENT, PRODUCTION	4 3 3	7	L456	I	01.0304 01.0502	5523	00000	90040200	475
402.131-010	SUPERVISOR, VEGETABLE FARMING	4 2 3	7	M23456	0567	01.0304 02.0402	5611	00000	90040200	477
403.161-010	FARMER, VEGETABLE	4 4 4	7	M23456	057	01.0304 02.0402	5513	00000	90020200	473
402.131-010	SUPERVISOR, TREE-FRUIT-AND-NUT FARMING	4 3 4	7	M23456	04567	01.0304	5611	00000	90040200	477
403.131-014	SUPERVISOR, VINE-FRUIT FARMING	4 3 3	6	M456	05	01.0502	5611	00000	90040200	477
403.161-014	FARMER, VINE-FRUIT CROPS	4 4 4	7	H3456	04567	01.0304	5513	00000	90020200	473
405.131-010	SUPERVISOR, HORTICULTURAL-SPECIALTY FARM	4 3 4	7	M3456	I	01.0304 01.0604 01.0606 02.0404	5611	00000	90040200	477
405.161-014	HORTICULTURAL-SPECIALTY GROWER, FIELD	4 3 3	7	M3456	05	01.0304 01.0606 01.0607 02.0404 02.0410	5515	00000	90020200	474

*** PROGRAM: 012.0403 HORTICULTURE SCIENCE. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
405.161-018	HORTICULTURAL-SPECIALTY GROWER, INSIDE	4 3 4	7	M346	I4	01.0304 01.0604 01.0606 02.0404	5515	00000	90020200	474
405.361-010	PLANT PROPAGATOR	4 4 4	6	M346	I	01.0604 02.0402 02.0404	5515	00000	90040400	474

PROGRAM: 02.0404 ORNAMENTAL HORTICULTURE.

AN INSTRUCTIONAL PROGRAM THAT DESCRIBES THE PRINCIPLES, PRACTICES, AND SKILLS APPLIED IN THE PRODUCTION AND USE OF DECORATIVE PLANTS AND PLANT MATERIAL AND ASSOCIATED BUSINESS ENTERPRISES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
142.081-010	FLORAL DESIGNER	4 3 3	6	L46	I24	01.0603 08.0503 20.0504	3220	25489	10221001	183
180.117-010	MANAGER, CHRISTMAS-TREE FARM	5 3 4	7	L5	I	01.0104 03.0402	5525	00000	90020400	476
180.167-042	MANAGER, NURSERY	4 4 4	7	L456	B	06.1401 01.0104 01.0604 01.0606 02.0403 08.0502	5525	19000	20061699	476
182.167-014	LANDSCAPE CONTRACTOR	4 4 4	8	L5	B	01.0605	1330	19000	20061699	019
272.357-022	SALESPERSON, HORTICULTURAL AND NURSERY P	4 3 4	4	L45	I	08.0706 01.0503 01.0604 01.0606 08.0502 08.0503 08.0705	4353	71999	30001807	268
405.131-010	SUPERVISOR, HORTICULTURAL-SPECIALTY FARM	4 3 4	7	M3456	I	01.0304 02.0403 01.0604 01.0606	5611	00000	90040200	477
405.137-010	SUPERVISOR, ROSE-GRADING	4 3 4	7	M456	I2	01.0603	5611	00000	90040200	477
405.161-010	BONSAI CULTURIST	4 3 3	7	L46	I	01.0603	5515	00000	90040400	474
405.161-014	HORTICULTURAL-SPECIALTY GROWER, FIELD	4 3 3	7	M3456	O5	01.0304 02.0403 01.0606 01.0607 02.0410	5515	00000	90020200	474
405.161-018	HORTICULTURAL-SPECIALTY GROWER, INSIDE	4 3 4	7	M346	I4	01.0304 02.0403 01.0604 01.0606	5515	00000	90020200	474

*** PROGRAM: 02.0404 ORNAMENTAL HORTICULTURE. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
405.361-010	PLANT PROPAGATOR	4	4	4	6	M346	I	01.0604 02.0403 02.0402	5515	00000	90040400	474
406.134-014	SUPERVISOR, PARK WORKERS	4	3	4	6	L456	06	01.0605 01.0607 02.0410	5621	55B29	50040003	485
408.131-010	SUPERVISOR, SPRAY, LAWN AND TREE SERVICE	4	4	4	7	L456	B	01.0602 01.0607 02.0408 02.0410	5621	00000	90040200	485
408.137-014	SUPERVISOR, TREE-TRIMMING	4	3	4	6	M2456	067	01.0602	5621	55B29	50040003	485
408.161-010	LANDSCAPE GARDENER	4	4	4	7	H346	056	01.0605 02.0410	5515	55T47	80001401	474
408.181-010	TREE SURGEON	4	2	2	6	M2346	0467	01.0602	3820	00000	80001402	223
451.137-014	SUPERVISOR, CHRISTMAS-TREE FARM	3	2	2	5	L56	B	03.0402	5710	00000	90020400	494

PROGRAM: 02.0408 PLANT PROTECTION (PEST MANAGEMENT). AN INSTRUCTIONAL PROGRAM THAT DESCRIBES THE PRINCIPLES AND PRACTICES OF COMBINING ENTOMOLOGY, PLANT PATHOLOGY, AND WEED SCIENCE WITH CROP PRODUCTION TO MINIMIZE THE ECONOMIC LOSS CAUSED BY PLANT PESTS AND TO PROTECT THE ENVIRONMENT.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
168.287-010	INSPECTOR, AGRICULTURAL COMMODITIES	4	3	4	7	L346	B	01.0402 02.0306 15.0504 15.0602	1473	10001	20040800	036
196.263-010	AIRPLANE PILOT	5	4	5	6	L456	I567	01.0502 49.0102	8250	34023	10140200	226
251.357-026	SALES REPRESENTATIVE, HERBICIDE SERVICE	4	3	4	5	L5	I	08.0706 01.0503 08.0203	4152	71900	30001899	257
408.131-010	SUPERVISOR, SPRAY, LAWN AND TREE SERVICE	4	4	4	7	L456	B	01.0602 01.0607 02.0404 02.0410	5621	00000	90040200	485
408.137-010	SUPERVISOR, INSECT AND DISEASE INSPECTIO	4	4	4	6	L456	0	01.0304 01.0502	5611	00000	90040200	477
408.381-010	SCOUT	3	2	3	4	M246	0	01.0304 01.0502 01.0602	5627	59002	63000000	489
408.381-014	WEED INSPECTOR	3	2	3	5	L4	0	01.0304 01.0502	5627	00000	90040400	489
408.687-010	FIELD INSPECTOR, DISEASE AND INSECT CONT	2	2	2	2	L346	0	01.0304 01.0502	5627	00000	90040400	489

PROGRAM: 02.0409 RANGE MANAGEMENT.

AN INSTRUCTIONAL PROGRAM THAT DESCRIBES THE PRINCIPLES AND PRACTICES INVOLVED IN DETERMINING AND APPLYING APPRORIATE USES OF RANGE RESOURCES TO ENSURE SUSTAINED PRODUCTIVITY AND RESOURCE CONSERVATION.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
040.061-046	RANGE MANAGER	6	6	6	8	L456	B	03.0202	1852	22308	10241600	079
049.127-010	PARK NATURALIST	5	4	5	7	M456	B	03.0202 03.0203	1852	29000	10243899	079
180.167-038	MANAGER, GAME PRESERVE	5	4	4	8	L456	B	01.0104 01.0305 02.0203 02.0204	5524	00000	90020400	475
379.137-018	WILDLIFE AGENT, REGIONAL	5	4	4	7	L456	B6	01.0305 03.0203 03.0601	1133	19000	20061699	005
379.267-010	WILDLIFE CONTROL AGENT	4	3	3	7	M3456	06	01.0305 03.0203 03.0601	5149	44060	70100606	427
410.137-010	CAMP TENDER	3	2	3	6	L346	O	01.0302 02.0208	5611	00000	90040400	477
410.137-014	TOP SCREW	4	3	3	7	H24	O	01.0302 02.0208	5611	00000	90040200	477

PROGRAM: 02.0410 TURF MANAGEMENT SCIENCE.

AN INSTRUCTIONAL PROGRAM THAT DESCRIBES THE PRINCIPLES AND PRACTICES INVOLVED IN THE PRODUCTION AND MANAGEMENT OF GRASSES AND OTHER GROUND COVERS FOR RECREATIONAL FACILITIES, LAWNS, ROADSIDES, AND SIMILIAR USES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
405.161-014	HORTICULTURAL-SPECIALTY GROWER, FIELD	4	3	3	7	M3456	05	01.0304 02.0403 01.0606 01.0607 02.0404	5515	00000	90020200	474
406.134-014	SUPERVISOR, PARK WORKERS	4	3	4	6	L456	06	01.0605 01.0607 02.0404	5621	55B29	50040003	485
406.137-010	GREENSKEEPER 1	4	3	3	6	H23456	06	01.0607	5621	55B29	50040003	485
406.137-014	SUPERINTENDENT, GREENS	4	4	4	7	L56	I	01.0607	5621	55B29	50040003	485
408.131-010	SUPERVISOR, SPRAY, LAWN AND TREE SERVICE	4	4	4	7	L456	B	01.0602 01.0607 02.0404 02.0408	5621	00000	90040210	485
408.161-010	LANDSCAPE GARDENER	4	4	4	7	H346	056	01.0605 02.0404	5515	55T47	80001401	474
408.684-010	LAWN-SERVICE WORKER	3	2	2	4	H46	05	01.0605 01.0607	5622	55T47	80001401	486

PROGRAM: 02.0499 PLANT SCIENCES, OTHER.

ANY INSTRUCTIONAL PROGRAM IN PLANT SCIENCES NOT DESCRIBED ABOVE.

PROGRAM: 02.0500 SOIL SCIENCES.

A GROUP OF INSTRUCTIONAL PROGRAMS THAT DESCRIBE THE PHYSICAL, CHEMICAL, AND BIOLOGICAL SCIENCES AND BASIC PRINCIPLES WHICH RELATE TO THE DETERMINATION OF SOIL PROPERTIES AND THEIR CONSERVATION AND MANAGEMENT FOR CROP PRODUCTION OR OTHER PURPOSES.

PROGRAM: 02.0503 SOIL CONSERVATION.

AN INSTRUCTIONAL PROGRAM THAT DESCRIBES THE PRINCIPLES AND PRACTICES USED IN MANAGING SOIL AND LAND RESOURCES OR OPTIMIZE PRODUCTIVITY AND MINIMIZE RESOURCE LOSS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
013.161-010	AGRICULTURAL-ENGINEERING TECHNICIAN	5 5 4	7	S46	I	01.0204 01.0206 03.0202 15.0802	3719	32900	10081898	216
040.061-054	SOIL CONSERVATIONIST	6 6 6	8	L6	B	03.0202	1852	22308	10241600	079
409.137-010	IRRIGATOR, HEAD	3 2 3	5	M456	04	01.0206	5611	00000	90040200	477

PROGRAM: 02.0504 SOIL MANAGEMENT AND FERTILITY.

AN INSTRUCTIONAL PROGRAM THAT DESCRIBES THE CHEMICAL, PHYSICAL, AND BIOLOGICAL PRINCIPLES UTILIZED IN MAINTAINING AND IMPROVING THE CAPACITY OF SOILS TO SUSTAIN HIGH YIELDS AND MINIMIZE RESOURCE LOSSES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
040.061-058	SOIL SCIENTIST	6 6 6	8	L46	B		1853	22301	10040200	077

PROGRAM: 03.0000 RENEWABLE NATURAL RESOURCES.

A SUMMARY OF GROUPS OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS FOR ACTIVITIES INVOLVING THE CONSERVATION AND/OR IMPROVEMENT OF NATURAL RESOURCES SUCH AS AIR, SOIL, WATER, LAND, FISH, AND WILDLIFE FOR ECONOMIC AND RECREATIONAL PURPOSES.

PROGRAM: 03.0100 RENEWABLE NATURAL RESOURCES, GENERAL.

A GROUP OF INSTRUCTIONAL PROGRAMS (SEE 03.0101)

PROGRAM: 03.0101 RENEWABLE NATURAL RESOURCES, GENERAL.
------------------------------------ AN INSTRUCTIONAL PROGRAM THAT GENERALLY PREPARES INDIVIDUALS FOR ACTIVITIES INVOLVING THE CONSERVATION AND/OR IMPROVEMENT OF NATURAL RESOURCES SUCH AS AIR, SOIL, WATER, LAND, FISH, AND WILDLIFE FOR ECONOMIC AND RECREATIONAL PURPOSES.

PROGRAM: 03.0200 CONSERVATION AND REGULATION.
--------------------------- A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS TO ENGAGE IN ACTIVITIES CONCERNED WITH THE PRESERVATION, PROTECTION, AND REGULATION OF RENEWABLE NATURAL RESOURCES.

PROGRAM: 03.0201 CONSERVATION AND REGULATION, GENERAL.
------------------------------------ AN INSTRUCTIONAL PROGRAM THAT GENERALLY PREPARES INDIVIDUALS TO ENGAGE IN ACTIVITIES CONCERNED WITH MAINTAINING THE STABILITY AND PRODUCTIVITY OF AIR, SOIL, WATER, LAND, FISH, AND WILDLIFE.

PROGRAM: 03.0202 CONSERVATION.
------------- AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ENGAGE IN ACTIVITIES CONCERNED WITH MAINTAINING THE STABILITY AND PRODUCTIVITY OF AIR, SOIL, WATER, LAND, FISH, AND WILDLIFE.

DICTIONARY OF OCCUPATIONAL TITLES CODE	FOURTH EDITION TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
005.167-014	DRAINAGE-DESIGN COORDINATOR	5	5	4	8	S456	I	01.0206	1628	21004	10020600	053
013.161-010	AGRICULTURAL-ENGINEERING TECHNICIAN	5	5	4	7	S46	I	01.0204 01.0206 02.0503 15.0802	3719	32900	10081898	216
025.264-010	HYDROGRAPHER	4	4	4	6	M46	O	41.0305	3890	33001	10081899	225
029.261-014	POLLUTION-CONTROL TECHNICIAN	4	4	4	6	L46	B	15.0502	3890	33900	10081899	225
040.061-030	FOREST ECOLOGIST	6	6	6	8	L46	B		1852	22308	10241600	079
040.061-034	FORESTER	5	5	5	8	L56	B	03.0405	1852	22308	10241600	079
040.061-046	RANGE MANAGER	6	6	6	8	L456	B	02.0409	1852	22308	10241600	079
040.061-054	SOIL CONSERVATIONIST	6	6	6	8	L6	B	02.0503	1852	22308	10241600	079
049.127-010	PARK NATURALIST	5	4	5	7	M456	B	02.0409 03.0203	1852	29000	10243899	079
184.117-046	MANAGER, IRRIGATION DISTRICT	5	4	4	9	L5	I	01.0206	1343	19000	20061699	019
452.364-010	FORESTER AIDE	4	3	3	6	M23456	O	03.0203 03.0402	5720	44059	80002831	495
452.687-010	FOREST WORKER	2	1	1	2	H234	O	03.0402	5720	44059	80002831	495
452.687-018	TREE PLANTER	1	1	1	1	H234	O4	01.0606 03.0402	5720	44059	80002831	495
459.387-010	CRUISER	4	3	3	7	M46	O	03.0403	5790	33005	10081808	496
459.687-010	LABORER, BRUSH CLEARING	1	1	1	2	H34	O5	03.0405	5730	59003	80002899	496

PROGRAM: 03.0203 RESOURCES PROTECTION AND REGULATION.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ENFORCE REGULATIONS AND LAWS PERTAINING TO THE PROTECTION AND ECONOMIC USE OF RENEWABLE NATURAL RESOURCES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
049.127-010	PARK NATURALIST	5	4	5	7	M456	B	02.0409 03.0202	1852	29000	10243899	079
169.167-022	FIRE ASSISTANT	4	3	4	6	L56	B	43.0201 43.0203	1131	22308	10241600	006
169.167-042	PARK RANGER	4	3	4	7	L2456	06	43.0107	1139	19000	20061699	005
188.117-018	CHIEF, FISHERY DIVISION	5	4	5	8	L5	I		1133	19000	20061699	005
188.167-062	PARK SUPERINTENDENT	5	3	4	7	L2456	B2346		1133	19000	20061699	005
379.137-018	WILDLIFE AGENT, REGIONAL	5	4	4	7	L456	B6	01.0305 02.0409 03.0601	1133	19000	20061699	005
379.167-010	FISH AND GAME WARDEN	4	3	4	6	M3456	06	01.0305 03.0302 03.0601	5134	44060	70100606	423
379.267-010	WILDLIFE CONTROL AGENT	4	3	3	7	M3456	06	01.0305 02.0409 03.0601	5149	44060	70100606	427
452.134-010	SMOKE JUMPER SUPERVISOR	3	2	3	8	V23456	B3567	43.0203	5111	44014	70200001	413
452.167-010	FIRE WARDEN	5	3	3	7	L23456	03567	43.0203	5122	44059	80002831	416
452.364-010	FORESTER AIDE	4	3	3	6	M23456	0	03.0202 03.0402	5720	44059	80002831	495
452.364-014	SMOKE JUMPER	3	2	2	6	V23456	B34567	43.0203	5123	44552	70100401	417
452.367-010	FIRE LOOKOUT	3	2	3	5	L2456	B	43.0203	5122	44059	80002831	416
452.367-014	FIRE RANGER	3	2	3	4	M23456	0	43.0203	5122	44059	80002831	416
452.687-014	FOREST-FIRE FIGHTER	2	1	1	2	H234	03567	43.0203	5123	44552	70100401	417

PROGRAM: 03.0299 CONSERVATION AND REGULATION, OTHER.

ANY INSTRUCTIONAL PROGRAM IN CONSERVATION AND REGULATION NOT DESCRIBED ABOVE.

PROGRAM: 03.0300 FISHING AND FISHERIES.

A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS TO ENGAGE IN FISHING FOR COMMERCIAL PURPOSES AND TO MANAGE FISH RESOURCES TO OPTIMIZE PRODUCTION.

PROGRAM: 03.0301 FISHING AND FISHERIES, GENERAL.

AN INSTRUCTIONAL PROGRAM THAT GENERALLY PREPARES INDIVIDUALS TO ENGAGE IN FISHING FOR COMMERCIAL PURPOSES AND TO MANAGE FISH RESOURCES TO OPTIMIZE PRODUCTION.

PROGRAM: 03.0302 FISHERIES.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO APPLY THE PHYSICAL AND BIOLOGICAL PRINCIPLES AND PRACTICES WHICH PROMOTE THE UNDERSTANDING AND MANAGEMENT OF FISH RESOURCES TO OPTIMIZE PRODUCTION IN FRESH AND SALT WATERS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
180.167-030	MANAGER, FISH HATCHERY	5	3	4	7	L456	B	01.0104 01.0303 02.0203 02.0204 02.0207	5524	00000	90020400	475
379.167-010	FISH AND GAME WARDEN	4	3	4	6	M3456	06	01.0305 03.0203 03.0601	5134	44060	70100606	423
446.133-010	SUPERVISOR, SHELLFISH FARMING	4	2	3	6	M3456	04	01.0303 02.0207	5611	00000	90040200	477
446.134-010	SUPERVISOR, FISH HATCHERY	4	2	3	7	M3456	0467	01.0303 02.0207	5611	00000	80002899	477
446.161-010	FISH FARMER	4	1	2	6	M2346	04	01.0303 02.0207	5514	00000	80002899	473
446.161-014	SHELLFISH GROWER	4	1	2	6	M234	04	01.0303 02.0207	5514	00000	80002899	473

PROGRAM: 03.0399 FISHING AND FISHERIES, OTHER.

ANY INSTRUCTIONAL PROGRAM IN FISHING AND FISHERIES NOT DESCRIBED ABOVE.

PROGRAM: 03.0400 FORESTRY PRODUCTION AND PROCESSING.

A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS TO PRODUCE, PROTECT, AND MANAGE TIMBER AND SPECIALTY FOREST CROPS ; MAINTAIN, OPERATE, AND REPAIR RELATED EQUIPMENT AND MACHINERY; HARVEST AND TRANSPORT TREES AS A CROP; SELECT, GRADE AND MARKET FOREST RAW MATERIALS FOR CONVERTING INTO A VARIETY OF CONSUMER GOODS, AND TO UTILIZE THE FOREST FOR MULTIPLE PURPOSES SUCH AS GAME PRESERVES AND RECREATION.

PROGRAM: 03.0401 FORESTRY PRODUCTION AND PROCESSING, GENERAL.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS IN A GENERAL WAY TO PRODUCE, PROTECT, AND MANAGE TIMBER AND SPECIALTY FOREST CROPS; MAINTAIN, OPERATE, AND REPAIR RELATED EQUIPMENT AND MACHINERY; HARVEST AND TRANSPORT TREES AS A CROP AND SELECT, GRADE, AND MARKET FOREST RAW MATERIALS FOR CONVERTING INTO A VARIETY OF CONSUMER GOODS, AND TO UTILIZE THE FOREST FOR MULTIPLE PURPOSES SUCH AS GAME PRESERVES AND RECREATION.

PROGRAM: 03.0402 FOREST PRODUCTION.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO PLANT, SELECT, IDENTIFY, MANAGE, AND PROTECT TIMBER AND SPECIALTY FOREST CROPS SUCH AS CHRISTMAS TREES. INCLUDES INSTRUCTION IN MAINTENANCE, SAFE OPERATION, AND REPAIR OF RELATED EQUIPMENT.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
040.061-050	SILVICULTURIST	5	5	5	7	L46	B		1852	22308	10241600	079
162.117-010	CHRISTMAS-TREE CONTRACTOR	5	3	5	7	L5	B	01.0503 08.0704	1443	25301	10240804	028
180.117-010	MANAGER, CHRISTMAS-TREE FARM	5	3	4	7	L5	I	01.0104 02.0404	5525	00000	90020400	476
451.137-010	FOREST NURSERY SUPERVISOR	4	3	3	6	L45	B	01.0606	5710	00000	10241600	494
451.137-014	SUPERVISOR, CHRISTMAS-TREE FARM	3	2	2	5	L56	B	02.0404	5710	00000	90020400	494
451.687-010	CHRISTMAS-TREE FARM WORKER	1	1	1	2	H34	0457		5720	00000	90040400	495
451.687-014	CHRISTMAS-TREE GRADER	2	1	1	3	M46	I4		5720	00000	50142202	495
451.687-018	SEEDLING PULLER	1	1	1	1	M34	04	01.0606	5720	44059	80002831	495
451.687-022	SEEDLING SORTER	1	1	1	2	L46	I4	01.0606	5720	44059	80002831	495
452.364-010	FORESTER AIDE	4	3	3	6	M23456	O	03.0202 03.0203	5720	44059	80002831	495
452.687-010	FOREST WORKER	2	1	1	2	H234	O	03.0202	5720	44059	80002831	495
452.687-018	TREE PLANTER	1	1	1	1	H234	04	01.0606 03.0202	5720	44059	80002831	495

PROGRAM: 03.0403 FOREST PRODUCTS UTILIZATION.

-------------------------- AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO SELECT, GRADE, AND MARKET FOREST RAW MATERIALS FOR CONVERSION TO CONSUMER GOODS SUCH AS PAPER, PLYWOOD, WALLBOARD, TURPENTINE, PLASTICS, AND PRESERVATION-TREATED WOOD PRODUCTS. INCLUDES INSTRUCTION IN MAINTENANCE, SAFE OPERATION, AND REPAIR OF RELATED EQUIPMENT.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
453.687-014	LABORER, TREE TAPPING	1	1	1	2	M4	0		5720	00000	80002899	495
454.687-018	LOG MARKER	3	2	1	3	M346	05		5790	55K85	50142001	496
455.134-010	SUPERVISOR, LOG SORTING	3	2	3	7	L2456	046		5710	55B29	50040003	494
455.367-010	LOG GRADER	3	3	2	6	L2346	046		7850	55K85	50142001	799
455.487-010	LOG SCALER	3	3	2	5	L2346	B5		5790	55K85	50142001	496
459.387-010	CRUISER	4	3	3	7	M46	0	03.0202	5790	33005	10081808	496
564.662-010	LOG-CHIPPER OPERATOR	3	1	2	4	M3456	I5		7677	55G20	61088408	768
663.682-014	POLE-PEELING-MACHINE OPERATOR	3	1	1	3	L456	I5		7639	59002	63000000	733
665.482-018	TIMBER-SIZER OPERATOR	3	2	1	4	M46	B567	48.0703	7632	55S92	61081464	726
665.686-010	POLE-PEELING-MACHINE-OPERATOR HELPER	1	1	1	2	H4	06		8725	59003	80002899	878
667.685-034	CUT-OFF SAWYER, LOG	2	1	1	2	H24	B5		7633	55H20	61085004	727
667.686-014	SAWMILL WORKER	3	1	1	3	M46	B56		7633	59002	63000000	727
669.587-010	GRADER	3	2	2	4	L46	I5		7850	55K90	50142002	799
921.683-066	SORTING-GRAPPLE OPERATOR	3	1	2	6	L456	I5	49.0203	8315	55A82	50140801	849
921.685-014	BULL-CHAIN OPERATOR	2	1	1	2	L4	I5	49.0203	8319	59003	80002899	859
921.685-054	SORTER OPERATOR	2	1	1	4	L46	B5		7850	55T63	50142004	799
921.685-062	STACKER TENDER	2	1	1	3	L46	I5		8319	55R90	80001020	859
921.685-066	TRANSFER OPERATOR	2	1	1	3	M4	I5		7639	55Q81	61088846	733
922.137-030	YARD SUPERVISOR	3	2	2	6	L5	B		7100	55B29	50040003	633

PROGRAM: 03.0405 LOGGING.

-------- AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO HARVEST AND TRANSPORT TREES AS A CROP, AND MAINTAIN, SAFELY OPERATE, AND REPAIR LOGGING EQUIPMENT AND MACHINERY.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
000.000-000									8769	55J81 55K84	80001806 62001003	889
040.061-034	FORESTER	5	5	5	8	L56	B	03.0202	1852	22308	10241600	079
168.267-070	LOGGING-OPERATIONS INSPECTOR	5	3	4	7	L56	I		1473	29000	10243899	036
183.167-038	SUPERINTENDENT, LOGGING	5	4	4	8	L56	B		1320	19000	20061699	019
454.134-010	SUPERVISOR, FELLING-BUCKING	4	2	3	7	L25	06		7100	55B29	50040003	633
454.384-010	FALLER 1	3	1	2	6	H2346	0456		5730	55I51	80001805	496
454.683-010	TREE-SHEAR OPERATOR	3	1	1	4	M46	05		5730	55D27	50021000	496
454.684-010	BUCKER	2	1	1	3	H2346	056		5730	55I51	80001805	496
454.684-014	FALLER 2	2	1	1	3	H346	056		5730	55I51	80001805	496
454.684-018	LOGGER, ALL-ROUND	2	1	1	4	H2346	056		5730	55I51	80001805	496
454.684-022	RIVER	2	1	1	2	H2346	05		5730	59003	80002899	496
454.684-026	TREE CUTTER	2	1	1	3	H2346	05		5730	55I51	80001805	496
454.687-010	CHAINSAW OPERATOR	2	1	1	2	H346	056		5730	55I51	80001805	496
454.687-014	LABORER, TANBARK	2	1	1	3	M34	0		5730	59002	63000000	496
455.687-010	LOG MARKER	2	1	1	2	M24	046		5790	59003	80002899	496

*** PROGRAM: 03.0405 LOGGING. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
459.133-010	SUPERVISOR, LOGGING	4	2	3	7	L2456	05		5710	55B29	50040003	494
459.137-010	WOODS BOSS	4	2	3	7	L4	0		7100	55B29	50040003	633
459.687-010	LABORER, BRUSH CLEARING	1	1	1	2	H34	05	03.0202	5730	59003	80002899	496
667.687-010	BUZZSAW-OPERATOR HELPER	1	1	1	1	H34	05		8615	59003	80002899	875
669.137-010	SUPERVISOR, WOOD-CREW	3	2	2	6	L4	0		7100	55B29	50040003	633
904.683-010	LOG-TRUCK DRIVER	3	1	2	4	M46	B6	49.0205	8212	54003	62002201	804
921.131-010	HOOK TENDER	3	2	2	7	L56	056		5710	55K01	50040003	494
921.364-010	RIGGING SLINGER	3	1	2	5	M23456	06		5790	55T53	80002899	496
921.663-066	YARDING ENGINEER	3	1	2	6	L456	I5		8314	55R51	50140803	848
921.664-014	RIGGER	3	2	2	5	V2346	06		5790	55B54	80002822	496
921.667-014	CHASER	2	1	1	3	H23456	056		5790	55004	80001801	496
921.683-054	JAMMER OPERATOR	2	1	1	3	L46	05		8314	59002	63000000	848
921.683-058	LOG LOADER	3	1	2	4	L46	I5		8314	55K81	50140802	848
921.686-022	POND WORKER	1	1	1	2	H246	046		8725	55M41	80001808	878
921.687-014	CHOKE SETTER	1	1	1	2	V23456	056		5790	55022	80001802	496
921.687-022	LOG LOADER HELPER	1	1	1	2	M2346	056	49.0203	8769	55N89	80001810	889
921.687-026	RIGGER HELPER	2	1	1	3	H34	06	49.0202	8637	59002	63000000	864
921.687-030	RIGGER, THIRD	1	1	1	2	V2346	06		5790	55N13	80001809	496
929.683-010	LOGGING-TRACTOR OPERATOR	3	1	1	4	M46	056	49.0202	8318	55B52	50021807	856

PROGRAM: 03.0499 FORESTRY PRODUCTION AND PROCESSING, OTHER. — ANY INSTRUCTIONAL PROGRAM IN FORESTRY PRODUCTION AND PROCESSING NOT DESCRIBED ABOVE.

PROGRAM: 03.0600 WILDLIFE MANAGEMENT. A GROUP OF INSTRUCTIONAL PROGRAMS (SEE 03.0601)

PROGRAM: 03.0601 WILDLIFE MANAGEMENT. AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS IN THE PRINCIPLES AND PRACTICES USED IN THE PRODUCTION AND IMPROVEMENT OF WILDLIFE RESOURCES FOR AESTHETIC, ECOLOGICAL, AND RECREATIONAL USES OF PUBLIC AND PRIVATE LANDS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
169.171-010	GAMEKEEPER	4	3	3	6	H234	0	01.0305 02.0202 02.0204	5840	55D14	80000200	499
379.137-018	WILDLIFE AGENT, REGIONAL	5	4	4	7	L456	B6	01.0305 02.0409 03.0203	1133	19000	20061699	005
379.167-010	FISH AND GAME WARDEN	4	3	4	6	M3456	06	01.0305 03.0203 03.0302	5134	44060	70100606	423
379.267-010	WILDLIFE CONTROL AGENT	4	3	3	7	M3456	06	01.0305 02.0409 03.0203	5149	44060	70100606	427
412.161-010	GAME-BIRD FARMER	4	3	3	6	L4	B	01.0305 02.0209	5514	00000	90020200	473
412.684-010	GAME-FARM HELPER	2	2	2	3	M346	B6	01.0305	5617	00000	90040400	479
461.134-010	EXPEDITION SUPERVISOR	4	2	3	6	V23456	06		5840	00000	20061699	499
461.661-010	PREDATORY-ANIMAL HUNTER	3	1	1	5	H2346	067		5840	00000	80002899	499
461.664-010	UNDERWATER HUNTER-TRAPPER	4	2	3	5	V23456	046		5840	00000	80002899	499
461.684-014	TRAPPER, ANIMAL	3	2	2	5	H2346	04	01.0305	5840	00000	80002899	499
461.684-018	TRAPPER, BIRD	3	2	2	4	M234	0	01.0305	5840	00000	80002899	499

PROGRAM: 03.9900 RENEWABLE NATURAL RESOURCES, OTHER. A GROUP OF INSTRUCTIONAL PROGRAMS IN RENEWABLE NATURAL RESOURCES NOT DESCRIBED ABOVE.

PROGRAM: 03.9999 RENEWABLE NATURAL RESOURCES, OTHER. ANY INSTRUCTIONAL PROGRAM IN RENEWABLE NATURAL RESOURCES NOT DESCRIBED ABOVE.

PROGRAM: 31.0200 OUTDOOR RECREATION. A GROUP OF INSTRUCTIONAL PROGRAMS (SEE 31.0201)

PROGRAM: 31.0201 OUTDOOR RECREATION. AN INSTRUCTIONAL PROGRAM THAT DESCRIBES THE ESTABLISHING, MAINTAINING, AND OPERATING OF RECREATIONAL FACILITIES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
187.167-094	MANAGER, DUDE RANCH	4	4	4	7	L456	B	06.1401 06.0702 06.0703 08.0903	1352	19000	20061699	019
187.167-102	MANAGER, FISH-AND-GAME CLUB	4	4	4	6	L5	B	06.1401 06.0702 06.0703 08.0903	1352	19000	20061699	019
349.224-010	ANIMAL-RIDE MANAGER	4	3	3	6	M345	O	01.0505 06.0702	5254	19000	20061699	459
349.674-010	ANIMAL-RIDE ATTENDANT	3	1	2	2	H345	O	08.0903	5254	44031	70080402	459
353.161-010	GUIDE, HUNTING AND FISHING	4	3	3	7	H3456	O	08.0903	5255	49000	70200099	463

Business and Office Education

PROGRAM AREA: BUSINESS AND OFFICE EDUCATION.

THIS DIVISION INCLUDES OCCUPATIONS CONCERNED WITH CONDUCTING BUSINESSES ON OWN OR OWNER'S BEHALF OR IN PARTNERSHIP; PLANNING, ORGANIZING, DIRECTING AND CONTROLLING ALL BUSINESS OFFICE SYSTEMS AND PROCEDURES; SUPERVISING AND PRESERVING WRITTEN COMMUNICATIONS AND RECORDS; COLLECTING ACCOUNTS, PREPARING, PROCESSING AND DISTRIBUTING AS WELL AS RECEIVING AND RECORDING BUSINESS INFORMATION BY VARIOUS COMMUNICATION SYSTEMS; RECEIVING AND DISBURSING MONEY IN BANKS AND OTHER FINANCIAL AND BUSINESS ESTABLISHMENTS; OPERATING OFFICE MACHINES AND ELECTRONIC DATA PROCESSING EQUIPMENT; STORING, DISBURSING AND ACCOUNTING FOR INVENTORIES OF MATERIALS; AND PERFORMING OTHER BUSINESS OFFICE DUTIES. OPPORTUNITIES ARE PROVIDED FOR STUDENTS, BOTH DURING AND OUTSIDE REGULAR CLASS TIME, TO DEVELOP INTERESTS, SKILLS AND KNOWLEDGE IN SELECTED ASPECTS OF BUSINESS OFFICE OCCUPATIONS AS AN INTEGRAL PART OF THE INSTRUCTIONAL PROGRAM. THE BUSINESS AND OFFICE STUDENT ORGANIZATIONS, WHICH ARE THE FUTURE BUSINESS LEADERS OF AMERICA, PHI BETA LAMBDA, AND THE OFFICE EDUCATION ASSOCIATION, PROVIDE ADDITIONAL OPPORTUNITIES TO DEVELOP LEADERSHIP QUALITIES AND AN UNDERSTANDING OF THE WORLD OF WORK IN BUSINESS AND OFFICE OCCUPATIONS. SUCH ORGANIZED ACTIVITIES UNDER APPROPRIATE SUPERVISION, ARE DESIGNED FOR PARTICIPATION OF STUDENTS AS AN INTEGRAL PART OF INSTRUCTION.

PROGRAM: 06.0400 BUSINESS ADMINISTRATION AND MANAGEMENT.

A GROUP OF INSTRUCTIONAL PROGRAMS THAT DESCRIBE THE PLANNING, ORGANIZING, AND CONTROLLING OF A BUSINESS, INCLUDING ORGANIZATIONAL AND HUMAN ASPECTS, WITH EMPHASIS ON VARIOUS THEORIES OF MANAGEMENT, THE KNOWLEDGE AND UNDERSTANDING NECESSARY FOR MANAGING PEOPLE AND FUNCTIONS, AND DECISIONMAKING.

PROGRAM: 06.0401 BUSINESS ADMINISTRATION AND MANAGEMENT, GENERAL.

AN INSTRUCTIONAL PROGRAM THAT GENERALLY DESCRIBES THE PLANNING, ORGANIZING AND CONTROLLING OF A BUSINESS, INCLUDING ORGANIZATIONAL AND HUMAN ASPECTS, WITH EMPHASIS ON VARIOUS THEORIES OF MANAGEMENT, THE KNOWLEDGE AND UNDERSTANDING NECESSARY FOR MANAGING PEOPLE AND FUNCTIONS, AND DECISIONMAKING.

PROGRAM: 06.0404 SYSTEMS EFFICIENCY ANALYSIS.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO STUDY THE POLICIES, ORGANIZATIONAL STRUCTURES, AND ADMINISTRATIVE PRACTICES OF AN ORGANIZATION FOR THE PURPOSE OF RECOMMENDING AND INSTALLING SYSTEMS, PROCEDURES AND METHODS IMPROVEMENTS. INCLUDES INSTRUCTION IN THE DESIGN, IMPLEMENTATION, TESTING, AND MAINTENANCE OF VARIOUS SYSTEMS PROCEDURES AND THE PREPARATION OF VALID TECHNICAL RESEARCH TO AID ENGINEERS, MANAGEMENT PERSONNEL, AND OTHERS IN EFFECTIVELY INSTALLING EFFICIENT OPERATIONAL PROCEDURES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
161.117-014	DIRECTOR, RECORDS MANAGEMENT	5	4	5	8	S56	I	06.1401	1420	19000	20061699	026
161.167-010	MANAGEMENT ANALYST	5	5	5	7	S56	I		1420	29000	10243899	026
161.167-014	MANAGER, FORMS ANALYSIS	5	4	4	8	S56	I		1420	29000	10243899	026
161.167-018	MANAGER, RECORDS ANALYSIS	5	4	4	8	S56	I	06.1401	1420	19000	20061699	026
161.167-022	MANAGER, REPORTS ANALYSIS	5	4	4	8	S56	I	06.1401	1420	19000	20061699	026
161.267-010	CLERICAL-METHODS ANALYST	5	5	4	7	S5	I		1420	29000	10243899	026
161.267-018	FORMS ANALYST	4	3	4	7	S56	I		1420	29000	10243899	026
161.267-026	REPORTS ANALYST	4	3	4	7	S56	I		1420	29000	10243899	026

*** PROGRAM: 06.0404 SYSTEMS EFFECIENCY ANALYSIS. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
162.167-022	MANAGER, PROCUREMENT SERVICES	4	4	4	7	S5	I	06.1401 08.0704	1240	19000	20061699	009
186.117-014	CONTROLLER	5	5	4	8	S5	I	06.1401	1220	19000	20061699	007
209.387-014	COMPILER	3	2	3	4	S46	I		4794	61900	40066898	386
216.137-010	COST-AND-SALES-RECORD SUPERVISOR	5	5	4	7	S456	I	07.0401	4521	61396	40061200	305

PROGRAM: 07.0000 BUSINESS AND OFFICE.

A SUMMARY OF GROUPS OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS FOR A VARIETY OF ACTIVITIES IN PLANNING, ORGANIZING, DIRECTING, AND CONTROLLING ALL BUSINESS OFFICE SYSTEMS AND PROCEDURES. INCLUDES INSTRUCTION IN PREPARING, TRANSCRIBING ,SYSTEMATIZING, AND PRESERVING WRITTEN COMMUNICATIONS AND RECORDS; PREPARING AND ANALYZING FINANCIAL RECORDS; COLLECTING ACCOUNTS AND RECEIVING AND DISBURSING MONEY; GATHERING, PROCESSING AND DISTRIBUTING INFORMATION AND MAIL; OPERATING OFFICE MACHINES AND ELECTRONIC DATA PROCESSING EQUIPMENT; STORING, DISTRIBUTING AND ACCOUNTING FOR INVENTORIES OF MATERIALS; OPERATING TELEPHONE SWITCHBOARDS AND DELIVERING MESSAGES; AND PERFORMING OTHER BUSINESS OFFICE DUTIES.

PROGRAM: 07.0100 ACCOUNTING, BOOKKEEPING, AND RELATED PROGRAMS.

A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS TO SYSTEMATIZE INFORMATION ABOUT TRANSACTIONS AND ACTIVITIES INTO ACCOUNTS AND QUANTITATIVE RECORDS, VERIFY ACCURACY OF DATA BY APPLYING AUDITING PRINCIPLES, PREPARE BUDGETS AND FINANCIAL REPORTS, OPERATE BOOKKEEPING MACHINES, AND PAY AND RECEIVE MONEY.

PROGRAM: 07.0101 ACCOUNTING, BOOKKEEPING, AND RELATED PROGRAMS, GENERAL.

AN INSTRUCTIONAL PROGRAM THAT GENERALLY PREPARES INDIVIDUALS TO SYSTEMATIZE INFORMATION ABOUT TRANSACTIONS AND ACTIVITIES INTO ACCOUNTS AND QUANTITATIVE RECORDS, VERIFY ACCURACY OF DATA BY APPLYING AUDITING PRINCIPLES, PREPARE BUDGETS AND FINANCIAL REPORTS, OPERATE BOOKKEEPING MACHINES, AND PAY AND RECEIVE MONEY.

PROGRAM: 07.0102 ACCOUNTING AND COMPUTING — AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO PERFORM PARAPROFESSIONAL DUTIES SUPPORTING THE ACCOUNTANT IN ORGANIZING, DESIGNING, AND COMPUTING NUMERICAL AND FINANCIAL DATA.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	D E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
160.162-010	ACCOUNTANT, TAX	5	5	5	8	S5	I		1412	25401	10240201	023
160.162-014	AUDITOR	5	5	5	8	S5	I		1412	25401	10240201	023
160.167-010	ACCOUNTANT	5	5	5	8	S5	I		1412	25401	10240201	023
160.167-014	ACCOUNTANT, BUDGET	5	5	5	8	S5	I		1412	25401	10240201	023
160.167-018	ACCOUNTANT, COST	5	5	5	8	S5	I		1412	25401	10240201	023
160.167-022	ACCOUNTANT, PROPERTY	5	5	5	8	S46	I		1412	25401	10240201	023
160.167-026	ACCOUNTANT, SYSTEMS	5	5	5	8	S5	I		1412	25401	10240201	023
160.167-034	AUDITOR, INTERNAL	5	5	5	8	S6	I		1412	25401	10240201	023
160.167-042	BURSAR	5	5	5	7	S6	I		1412	25401	10240201	023
160.167-050	REVENUE AGENT	5	4	4	7	L5	I		1473	25507	10240203	036
160.207-010	CREDIT COUNSELOR	5	5	5	7	S5	I	08.0402 08.0403 08.0404 08.0405	1419	29000	10243899	025
210.132-010	SUPERVISOR, AUDIT CLERKS	4	4	3	6	L456	I	07.0401	4521	61396	40061200	305
210.362-010	DISTRIBUTION-ACCOUNTING CLERK	3	3	2	5	S456	I		4712	61301	40060601	337
210.367-010	ACCOUNT-INFORMATION CLERK	4	3	3	6	S456	I		4712	61301	40060601	337
210.367-014	FOREIGN-EXCHANGE-POSITION CLERK	4	4	3	5	S4	I		4712	61301	40060601	337
210.382-010	AUDIT CLERK	4	4	3	5	S46	I		4712	61301	40060601	337
210.382-054	NIGHT AUDITOR	4	4	3	5	S456	I		4712	61301	40060601	337
210.382-058	RECONCILEMENT CLERK	3	3	2	5	S46	I		4712	61301	40060601	337
210.382-062	SECURITIES CLERK	4	4	3	6	S46	I		4712	61301	40060601	337
214.137-022	SUPERVISOR, ACCOUNTS RECEIVABLE	4	4	3	8	S456	I	07.0401	4521	61396	40061200	305
214.387-014	RATE REVIEWER	4	3	4	6	S45	I		4716	61900	40066898	343
215.137-014	PAYROLL CLERK, CHIEF	4	4	4	8	S45	I	07.0401	4521	61396	40061200	305
215.482-010	PAYROLL CLERK	3	3	2	4	S46	I		4713	61351	40064000	338
216.132-010	SUPERVISOR, ACCOUNTING CLERKS	4	4	4	7	S456	I	07.0401	4521	61396	40061200	305
216.362-014	COLLECTION CLERK	4	4	4	5	S46	I	07.0202	4712	61301	40060601	337
216.362-034	RESERVES CLERK	4	3	3	5	S4	I		4712	61301	40060601	337
216.382-010	ACCOUNTING CLERK, DATA PROCESSING	3	3	2	5	S46	I		4712	61301	40060601	337
216.382-022	BUDGET CLERK	4	4	3	5	S46	I		4794	61301	40060601	386
216.382-034	COST CLERK	4	4	3	5	S46	I		4716	61301	40060601	343
216.482-010	ACCOUNTING CLERK	4	3	3	4	S46	I		4712	61301	40060601	337
216.587-010	BOOKING CLERK	2	1	1	3	L46	I		4712	61301	40060601	337
219.132-014	SUPERVISOR, TRUST ACCOUNTS	4	3	4	7	L456	I	07.0401 08.0402	4799	61396	40061200	389
219.132-018	SUPERVISOR, TRUST EVALUATION	4	4	4	6	L456	I	07.0401 08.0406	4519	61396	40061200	303
219.362-062	TRUST-SECURITIES CLERK	3	3	3	4	L46	I		4699	61301	40060601	336
221.362-018	ESTIMATOR, PAPERBOARD BOXES	4	4	4	6	L456	I		4752	61397	40062222	363
249.367-034	EVALUATOR	4	2	2	4	L6	I		4716	61900	40066898	343

PROGRAM: 07.0103 BOOKKEEPING.
------------- AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO COMPUTE, CLASSIFY, AND RECORD NUMERICAL DATA TO KEEP FINANCIAL RECORDS AND LEDGERS, AND PREPARE TAX REPORTS AND MONTHLY STATEMENTS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
210.382-014	BOOKKEEPER 1	4	4	3	5	S46	I		4712	61307	40060603	337
210.382-018	BOOKKEEPER 2	4	4	3	4	S46	I		4712	61307	40060603	337
210.382-030	CLASSIFICATION-CONTROL CLERK	4	3	3	5	S46	I		4712	61301	40060601	337
210.382-038	CREDIT-CARD CLERK	3	3	2	3	S46	I	07.0204	4712	61301	40060601	337
210.382-042	FIXED-CAPITAL CLERK	4	3	3	5	S46	I		4712	61301	40060601	337
210.382-046	GENERAL-LEDGER BOOKKEEPER	4	4	3	5	S46	I		4712	61301	40060601	337
210.382-050	MORTGAGE-LOAN-COMPUTATION CLERK	3	3	2	3	S46	I		4712	61301	40060601	337
214.362-018	FEE CLERK	3	3	3	3	L46	I		4718	61103	40040201	344
214.362-026	INVOICE-CONTROL CLERK	4	3	3	4	S4	I		4715	61301	40060601	339
214.382-018	C.O.D. CLERK	3	2	2	3	S46	I		4715	61301	40060601	339
214.482-018	MEDICAL-VOUCHER CLERK	3	2	3	3	S46	I	07.0203	4716	61301	40060601	343
214.487-010	CHART CALCULATOR	4	4	3	5	S46	I		4794	61900	40066898	386
215.362-018	FLIGHT-CREW-TIME CLERK	4	3	4	5	S456	I		4713	61351	40064000	338
215.367-022	TIMEKEEPER	3	2	2	3	S46	I		4713	61351	40064000	338
215.382-010	PAYROLL CLERK, DATA PROCESSING	4	4	3	4	S46	I		4713	61351	40064000	338
216.137-014	STOCK-TRANSFER CLERK, HEAD	4	4	4	6	S5	I	07.0401 08.0406	4521	61396	40061208	305
216.362-010	BOND CLERK	4	4	4	5	S46	I		4712	61301	40060601	337
216.362-022	FOOD-AND-BEVERAGE CONTROLLER	4	3	2	5	S6	I	06.0704 08.0905	4718	61199	40041400	344
216.362-026	MORTGAGE-ACCOUNTING CLERK	4	3	3	3	S46	I		4712	61301	40060601	337
216.382-018	BALANCE CLERK	3	2	2	4	S46	I		4712	61301	40060601	337
216.382-054	RECEIPT-AND-REPORT CLERK	4	3	3	5	S46	I		4716	61301	40060601	343
216.382-058	RETURNED-ITEM CLERK	3	3	3	4	S4	I		4712	61301	40060601	337
216.382-070	STOCK-TRANSFER CLERK	4	4	4	5	S4	I		4712	61301	40060601	337
216.382-074	TRUST-SAVINGS-ACCOUNT CLERK	3	3	3	3	S6	I		4699	61301	40060601	336
216.482-026	DIVIDEND-DEPOSIT-VOUCHER CLERK	3	2	2	3	S46	I		4712	61301	40060601	337
216.587-014	POSTING CLERK	3	2	2	3	S46	I		4712	61301	40060601	337
219.487-010	TAX CLERK 1	3	2	2	3	S4	I		4799	61301	40060601	389
219.587-010	PARIMUTUEL-TICKET CHECKER	3	3	3	2	S46	I		4712	61301	40060601	337

PROGRAM: 07.0104 MACHINE BILLING, BOOKKEEPING, AND COMPUTING. AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO UTILIZE OFFICE MACHINES FOR BILLING, POSTING, CALCULATING, ADDING, LISTING, AND MECHANIZING DATA (EXCEPT DATA PROCESSING EQUIPMENT); OBTAIN FINAL RECORDS OF FINANCIAL ACTIVITIES; AND PREPARE OTHER FINANCIAL STATISTICAL REPORTS AND INFORMATION.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
210.382-022	BOOKKEEPING-MACHINE OPERATOR 1	4	4	3	5	S46	I		4718	61103	40040201	344
210.382-026	BOOKKEEPING-MACHINE OPERATOR 2	4	4	3	5	S46	I		4718	61103	40040201	344
214.137-014	MANAGER, STATEMENT CLERKS	4	3	4	7	L45	I	07.0205 07.0401	4519	61396	40061200	303
214.362-014	DOCUMENTATION-BILLING CLERK	3	3	3	4	S46	I		4715	62034	40065003	339
214.382-010	ACCOUNT ANALYST	4	3	3	5	S4	I		4715	61301	40060601	339
214.382-014	BILLING TYPIST	3	3	2	4	S46	I		4715	61301	40060601	339
214.382-030	SETTLEMENT CLERK	3	3	3	4	S4	I		4799	61301	40060601	389
214.387-010	BILLING-CONTROL CLERK	3	3	3	5	S46	I		4715	61301	40060601	339
214.467-010	FOREIGN CLERK	4	4	3	5	S46	I	08.0703	4716	61301	40060601	343
214.482-010	BILLING-MACHINE OPERATOR	3	3	3	4	S46	I		4718	61103	40040201	344
214.482-014	DEPOSIT-REFUND CLERK	3	3	3	4	S46	I		4715	61103	40040201	339
216.367-010	CHECK-PROCESSING CLERK 2	4	3	3	3	L46	I		4712	61315	40062209	337
216.382-062	STATISTICAL CLERK	3	3	3	4	L46	I		4794	61303	40065204	386
216.382-066	STATISTICAL CLERK, ADVERTISING	3	3	2	4	S46	I		4794	61374	40065211	386
216.482-014	ADDING-MACHINE OPERATOR	2	2	2	3	S46	I		4718	61119	40041400	344
216.482-018	AUDIT-MACHINE OPERATOR	3	2	2	4	S4	I		4718	61103	40040201	344
216.482-022	CALCULATING-MACHINE OPERATOR	3	2	2	3	S46	I		4718	61119	40041400	344
216.585-010	GAS-VOLUME COMPUTER	3	2	3	3	L46	I		4718	61199	40041400	344
217.132-010	PROOF-MACHINE-OPERATOR SUPERVISOR	4	3	4	6	S456	I	07.0401	4521	61396	40061200	305
217.382-010	PROOF-MACHINE OPERATOR	3	3	2	4	S46	I5		4718	61112 61424	40040202 40066844	344
217.485-010	CURRENCY SORTER	3	3	2	4	L46	I		4729	61121	40066803	347
217.585-010	COIN-MACHINE OPERATOR	3	2	1	3	H46	I5		4729	61121	40066803	347
217.686-010	COIN WRAPPER	2	1	1	2	H46	I		4729	61121	40066803	347
219.362-058	STATEMENT CLERK	3	2	3	4	L46	I	07.0205 07.0705	4699	61372	40066823	336
219.362-066	VOUCHER CLERK	4	4	3	4	S46	I		4712	61301	40060601	337
219.382-010	CHECK WRITER	4	4	2	3	S4	I		4699	61199	40041400	336

PROGRAM: 07.0199 ACCOUNTING, BOOKKEEPING, AND RELATED PROGRAMS, OTHER. ANY INSTRUCTIONAL PROGRAM IN ACCOUNTING, BOOKKEEPING, AND RELATED PROGRAMS NOT DESCRIBED ABOVE.

PROGRAM: 07.0200 BANKING AND RELATED FINANCIAL PROGRAMS. A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS TO PERFORM FINANCIAL OR BANKING SERVICES. INCLUDES INSTRUCTION IN CREDIT COLLECTION, TRANSIT ROUTING OF NOTES AND DRAFTS, RECEIVING AND PAYING OUT MONEY, AND FUNCTIONS ASSOCIATED WITH PROCESSING LOANS AND INSURANCE CLAIMS.

PROGRAM: 07.0201 BANKING AND RELATED FINANCIAL PROGRAMS, GENERAL.

AN INSTRUCTIONAL PROGRAM THAT GENERALLY PREPARES INDIVIDUALS TO PERFORM FINANCIAL OR BANKING SERVICES. INCLUDES INSTRUCTION IN CREDIT COLLECTION, TRANSIT ROUTING OF NOTES AND DRAFTS, RECEIVING AND PAYING OUT MONEY, AND FUNCTIONS ASSOCIATED WITH PROCESSING LOANS AND INSURANCE CLAIMS.

PROGRAM: 07.0202 CREDIT COLLECTION CLERK.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO RECEIVE, RECORD, AND COLLECT NOTES, DRAFTS, CHECKS, AND COUPONS DRAWN ON LOCAL OR OUT-OF-TOWN BANKS; COMPUTE INTEREST OR FINANCE CHARGES; ISSUE RECEIPTS AND MAIL COLLECTION STATEMENTS; AND DETERMINE THE CREDIT STATUS OF CLIENTS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
216.362-014	COLLECTION CLERK	4	4	4	5	546	I	07.0102	4712	61301	40060601	337
216.382-026	CLEARING-HOUSE CLERK	4	3	3	5	L46	I		4712	61301	40060601	337
241.137-010	SUPERVISOR, CREDIT AND LOAN COLLECTIONS	4	3	4	5	55	I	07.0401 08.0403	4528	61396	40061200	307
241.267-030	INVESTIGATOR	4	2	4	5	5456	B	08.0203 08.0403 08.1002 08.1003 08.1004	4783	61331	40066810	376
241.357-010	COLLECTION CLERK	4	3	4	4	L5	B		4786	61319	40061400	378
241.367-010	COLLECTOR	3	3	3	4	L5	B	08.0705	4786	61319	40061400	378
241.367-022	REPOSSESSOR	3	2	2	3	M4	B		4786	61319	40061400	378
241.367-026	SKIP TRACER	4	2	4	4	55	I		4783	61319	40061400	376
241.367-030	THROW-OUT CLERK	3	3	3	4	556	I		4783	61900	40066898	376

PROGRAM: 07.0203 INSURANCE CLERK.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO EXAMINE INSURANCE POLICIES HELD FOR COMMERCIAL OR PERSONAL LOANS AND PROPERTY UNDER CONTROL OF THE BANK OR FINANCIAL INSTITUTION; DETERMINE ADEQUACY OF COVERAGE AND INSURANCE REQUIREMENTS; VERIFY CASH VALUES AND PREMIUMS OF POLICIES; AND MAINTAIN RECORDS CONCERNING BANK-OWNED INSURANCE AND FIRE PROTECTION ON COMMODITIES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
169.167-058	UNDERWRITER	5	4	5	7	5456	I	08.1002 08.1003 08.1004	1414	25548	10243014	024
203.382-010	BORDEREAU CLERK	3	2	3	4	546	I	07.0710	4624	61392	40020600	315
205.367-018	CLAIMS CLERK 2	3	3	3	4	55	I		4782	61318	40062210	375
209.362-014	CONTROL CLERK, AUDITING	3	3	3	3	546	I		4699	61900	40066898	336
209.367-010	AGENT-LICENSING CLERK	4	1	4	5	546	I	07.0705	4799	61900	40066898	389
209.382-014	SPECIAL-CERTIFICATE DICTATOR	3	2	3	6	54	I		4799	61353	40066815	389
209.587-030	MAP CLERK	3	2	2	3	546	I		4699	61900	40066898	336
209.687-018	REVIEWER	3	1	3	4	546	I		4699	61420	40065217	336

*** PROGRAM: 07.0203 INSURANCE CLERK. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
214.362-022	INSURANCE CLERK	4	3	4	5	S456	I	07.0605 17.0503	4784	61348	40066846	377
214.482-018	MEDICAL-VOUCHER CLERK	3	2	3	3	S46	I	07.0103	4716	61301	40060601	343
214.482-022	RATER	3	3	3	4	S46	I		4716	61358	40065209	343
216.382-050	POLICY-VALUE CALCULATOR	3	2	2	5	S46	I		4718	61900	40066898	344
219.132-010	SUPERVISOR, POLICY-CHANGE CLERKS	4	3	4	7	S456	I	07.0401	4519	61396	40061200	303
219.362-034	INSURANCE CLERK 1	4	3	4	5	S456	I		4699	61332	40066845	336
219.362-042	POLICY-CHANGE CLERK	4	3	3	5	S46	I		4699	61353 61395	40066815 40065212	336
219.367-014	INSURANCE CLERK 2	3	3	3	4	S46	I		4699	61332	40066845	336
219.367-038	UNDERWRITING CLERK	3	3	3	4	L46	I		4699	61900	40066898	336
219.387-014	INSURANCE CLERK 1	4	3	3	4	S4	I		4699	61900	40066898	336
219.482-014	INSURANCE CHECKER	3	3	3	5	S46	I		4699	61420	40065217	336
219.482-018	REINSURANCE CLERK	4	3	3	5	S46	I		4699	61900	40066898	336
241.217-010	CLAIM ADJUSTER	5	3	5	6	L5	B	08.1002 08.1003 08.1004	4782	25442	10243815	375
241.362-010	CLAIMS CLERK 1	4	3	3	4	S56	I		4782	61318	40062210	375

PROGRAM: 07.0204 LOAN CLERK.

------------ AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO PROCESS APPLICATIONS OF INDIVIDUALS AND BUSINESSES APPLYING FOR LOANS AND CREDIT; VERIFY CREDIT STATUS AND LIMITS CONSIDERING APPLICANTS ASSETS, EXPERIENCE, AND REFERENCES; NOTIFY CUSTOMERS OF LOAN STATUS; MAINTAIN RECORDS ON CREDIT TRANSACTIONS, DEPOSITS, PAYMENTS, AND DELINQUENT ACCOUNTS; ADJUST INCORRECT LOAN STATEMENTS; AND COMPUTE INTEREST, PAYMENT, OR SERVICE CHARGES ASSOCIATED WITH THE LOAN.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
203.382-022	MORTGAGE-PROCESSING CLERK	3	3	3	5	S46	I		4799	61421	40066841	389
205.367-014	CHARGE-ACCOUNT CLERK	3	2	3	2	S5	I	08.0403 08.0705	4642	61900	40066898	316
205.367-022	CREDIT CLERK	4	3	4	4	S5	I	08.0403	4642	61421	40066841	316
209.362-018	CREDIT-REFERENCE CLERK	3	2	3	4	S45	I		4783	61357	40066898	376
209.367-022	DISBURSEMENT CLERK	3	3	3	4	S6	I		4649	61434	40066801	323
209.382-018	STATEMENT-REQUEST CLERK	3	3	3	4	S4	I		4642	61900	40066898	316
210.382-034	COMMODITY-LOAN CLERK	3	3	3	4	L46	I		4712	61301	40060601	337
210.382-038	CREDIT-CARD CLERK	3	3	2	3	S46	I	07.0103	4712	61301	40060601	337
216.382-030	COLLATERAL-AND-SAFEKEEPING CLERK	4	4	3	5	S46	I		4712	61301	40060601	337
216.382-038	INTEREST CLERK	4	3	2	5	S46	I		4712	61301	40060601	337
219.362-026	CONTRACT CLERK, AUTOMOBILE	4	3	3	5	S45	I	07.0705	4630	61900	40066898	379
219.362-038	MORTGAGE-CLOSING CLERK	4	3	4	5	S56	I		4649	61422	40066842	323
219.387-018	LETTER-OF-CREDIT CLERK	4	3	3	5	S46	I	08.0403	4712	61900	40066898	337
241.267-022	CREDIT ANALYST	4	3	4	7	S5	I	08.0402 08.0403 08.0404	1419	61421	40066841	025

*** PROGRAM: 07.0204 LOAN CLERK. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
241.367-018	LOAN INTERVIEWER	4	3	3	6	S5	I	08.0403	4783	61337	40066898	376
249.367-022	CREDIT AUTHORIZER	3	2	2	3	S56	I	08.0403	4799	61344	40062201	389
249.367-038	FORECLOSURE CLERK, MOTION-PICTURE LOANS	3	2	3	4	L24	I		4712	61301	40060601	337
249.367-050	LOAN CLOSER	4	4	4	6	S56	I	08.0403	4799	61434	40066801	389
249.382-010	MORTGAGE CLERK	3	3	3	5	S4	I		4799	61421	40066841	389

PROGRAM: 07.0205 TELLER.

------- AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO RECEIVE AND PAY OUT MONEY, AND KEEP RECORDS OF MONEY AND NEGOTIABLE INSTRUMENTS USED IN VARIOUS BANKING AND FINANCIAL TRANSACTIONS. INCLUDES INSTRUCTION IN COMPUTING FINANCE OR SERVICE CHARGES AND TRANSACTIONS, AND IN OPERATING VARIOUS COMPUTING AND RECORDING OFFICE MACHINES USED IN FINANCIAL INSTITUTIONS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
205.362-026	NEW-ACCOUNTS CLERK	4	4	4	5	L45	I		4642	61349	40060201	316
211.132-010	TELLER, HEAD	4	3	4	8	L456	I	07.0401	4529	61396	40061200	303
211.137-010	SUPERVISOR, CASHIERS	4	3	3	7	L45	I	07.0401	4529	61396	40061200	303
211.137-022	SUPERVISOR, TELLERS	4	4	4	8	S456	I	07.0401	4529	61396	40061200	303
211.362-010	CASHIER 1	4	3	3	5	S456	I	08.0705 08.0904	4364	61314	40060800	276
211.362-014	FOREIGN BANKNOTE TELLER-TRADER	4	4	4	5	L45	I	08.0703	4364	61382	40060203	276
211.362-018	TELLER	4	3	2	5	L456	I	08.0402 08.0404	4791	61382	40060203	383
211.362-022	TELLER, COLLECTION AND EXCHANGE	[illegible]	3	3	5	L456	I		4791	61382	40060203	383
211.362-026	TELLER, NOTE	[illegible]	3	3	5	L456	I	08.0402	4791	61382	40060203	383
211.367-010	PAYMASTER OF PURSES	4	4	3	6	S456	I		4364	61314	40060800	276
211.462-026	CHECK CASHIER	3	3	2	3	S45	I		4364	61314	40060800	276
211.462-030	DRIVERS'-CASH CLERK	3	2	1	3	L45	I		4364	61314	40060800	276
211.462-034	TELLER	3	2	2	3	L456	I		4364	61314	40060800	276
211.467-014	MONEY COUNTER	3	3	2	3	L46	I		4364	61900	40066898	276
211.467-026	SHEET WRITER	3	2	2	2	L45	I		4364	61314	40060800	276
211.482-010	CASHIER, TUBE ROOM	3	2	2	3	S46	I	08.0705	4364	61314	40060800	276
214.137-014	MANAGER, STATEMENT CLERKS	4	3	4	7	L45	I	07.0104 07.0401	4519	61396	40061200	303
216.362-018	EXCHANGE CLERK	4	3	3	4	S45	I	08.0402 08.0703	4791	61382	40060203	383
216.382-014	ADVICE CLERK	4	4	4	5	S46	I		4712	61301	40060601	337
216.387-010	CHECK-PROCESSING CLERK 1	3	3	3	3	S6	I		4712	61301	40060601	337
219.362-058	STATEMENT CLERK	3	2	3	4	L46	I	07.0104 07.0705	4699	61372	40066823	336
219.462-010	COUPON CLERK	4	3	4	5	S46	I		4791	61382	40060203	383
249.467-010	INFORMATION CLERK-CASHIER	3	2	3	5	L456	I		4364	61314	40060800	276

PROGRAM: 07.0206 TRANSIT CLERK.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO OPERATE MACHINES TO SORT, RECORD, PROOF, AND PREPARE ALL TRANSIT ITEMS (E.G., CHECKS, DRAFTS, CREDIT LETTERS) ON OUT-OF-CITY BANKS TO ENSURE CORRECT ROUTING AND PROMPT COLLECTION, AND TO OPERATE PHOTOCOPY MACHINES TO DUPLICATE TRANSIT LETTERS, OUTGOING CHECKS, AND COMPUTING MACHINE TAPES TO KEEP RECORDS OF ALL TRANSIT ITEMS AND THEIR DESTINATIONS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
209.587-018	DIRECT-MAIL CLERK	3	1	2	4	L4	I	07.0706	4744	61343	40063402	356
217.382-014	TRANSIT CLERK	4	3	2	5	S46	I		4729	61389	40040203	347

PROGRAM: 07.0299 BANKING AND RELATED FINANCIAL PROGRAMS, OTHER.

ANY INSTRUCTIONAL PROGRAM IN BANKING AND RELATED FINANCIAL PROGRAMS NOT DESCRIBED ABOVE.

PROGRAM: 07.0300 BUSINESS DATA PROCESSING AND RELATED PROGRAMS.

A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS TO ANALYZE AND DESIGN DATA PROCESSING SYSTEM CONFIGURATIONS; WRITE, TEST, MONITOR, DEBUG, AND MAINTAIN DATA PROCESSING PROGRAMS; AND OPERATE COMPUTERS AND PERIPHERAL AND DATA ENTRY EQUIPMENT.

PROGRAM: 07.0301 BUSINESS DATA PROCESSING AND RELATED PROGRAMS, GENERAL.

AN INSTRUCTIONAL PROGRAM THAT GENERALLY PREPARES INDIVIDUALS TO ANALYZE AND DESIGN DATA PROCESSING SYSTEM CONFIGURATIONS; WRITE, TEST, MONITOR, DEBUG, AND MAINTAIN DATA PROCESSING PROGRAMS; AND OPERATE COMPUTERS AND PERIPHERAL AND DATA ENTRY EQUIPMENT.

PROGRAM: 07.0302 BUSINESS COMPUTER AND CONSOLE OPERATION.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO OPERATE ELECTRONIC DATA PROCESSING COMPUTERS. INCLUDES INSTRUCTION IN THE REVIEW OF PROGRAM INSTRUCTIONS, DETERMINATION OF PROCEDURES FOR A SPECIFIC RUN, READYING EQUIPMENT FOR OPERATION, AND MANIPULATION AND MONITORING OF CONTROLS DURING OPERATION. INSTRUCTION ALSO IS GIVEN IN TROUBLESHOOTING AND ALL TYPES OF ON- AND OFF-LINE OPERATIONS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
213.132-010	SUPERVISOR, COMPUTER OPERATIONS	5	5	4	7	L56	I	07.0401	4512	61396	40061200	304
213.132-014	SUPERVISOR, MACHINE-RECORDS UNIT	4	3	4	7	L46	I5	07.0401	4512	61396	40061200	304
213.362-010	COMPUTER OPERATOR	4	2	3	6	L456	I		4612	61105	40040601	308
221.687-010	CONTROL CLERK, DATA PROCESSING 2	3	2	3	4	L46	I		4752	61980	40066898	363

PROGRAM: 07.0303 BUSINESS DATA ENTRY EQUIPMENT OPERATION.

-- AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO OPERATE KEYPUNCH OR SPECIAL-PURPOSE KEY ENTRY DEVICES TO CONVERT SOURCE DOCUMENTS TO MACHINE INPUT MEDIA FOR ELECTRONIC DATA PROCESSING, VERIFY AND CORRECT DATA, AND MONITOR EQUIPMENT DURING OPERATION.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
203.362-014	IN-FILE OPERATOR	3	2	3	4	S45	I		4649	61336	40066812	323
203.362-018	TERMINAL-SYSTEM OPERATOR	4	3	4	5	S45	I	07.0608	4793	61392	40020600	385
203.382-018	MAGNETIC-TAPE-COMPOSER OPERATOR	4	3	3	5	S456	I	07.0608	4793	61107	40041000	385
203.582-018	CRYPTOGRAPHIC-MACHINE OPERATOR	4	2	3	5	S46	I		4793	61392	40020600	385
203.582-022	DATA TYPIST	4	2	3	4	S46	I		4793	61107	40041000	385
203.582-026	DATA-CODER OPERATOR	4	2	4	4	S46	I		4793	61107	40041000	385
203.582-030	KEYPUNCH OPERATOR	3	2	2	3	S46	I		4793	61107	40041000	385
203.582-054	TERMINAL OPERATOR	4	2	3	4	S46	I		4793	61392	40020600	385
203.582-070	VERIFIER OPERATOR	3	2	2	4	S46	I		4793	61107	40041000	385
206.387-030	TAPE LIBRARIAN	4	2	4	4	L46	I	07.0705	4696	61330	40062601	335
208.382-010	TERMINAL-MAKEUP OPERATOR	3	2	3	5	S46	I	07.0608	4793	61900	40066898	385
209.137-022	SUPERVISOR, CODING CLERKS	4	3	4	7	S456	I	07.0401	4519	61396	40061200	303
209.387-010	CODING CLERK	3	1	3	3	S46	I		4699	61900	40066898	336
209.387-022	DATA-EXAMINATION CLERK	4	2	3	3	S6	I		4699	61900	40066898	336
219.137-014	SUPERVISOR, DATA-CONTROL CLERK	4	2	3	6	L45	I	07.0401	4519	61396	40061200	303
221.367-046	MILL RECORDER, COMPUTERIZED MILL	3	2	3	5	L45	I		4752	62003	40062400	363
221.382-014	CONTROL CLERK, DATA PROCESSING 1	4	3	3	4	S46	I		4752	61900	40066898	363

PROGRAM: 07.0304 BUSINESS DATA PERIPHERAL EQUIPMENT OPERATION.

-- AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO OPERATE ON-LINE OR OFF-LINE PERIPHERAL EQUIPMENT SUCH AS SORTERS, COLLATORS, HIGH-SPEED PRINTERS, BURSTING MACHINES, TAPE-TO-CARD AND CARD-TO-TAPE CONVERTERS, AND SCANNERS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
208.685-010	COLLATOR OPERATOR	2	1	1	2	L4	I	07.0704	4729	61199	40041400	347
208.685-030	SORTING-MACHINE OPERATOR	2	1	2	3	L46	I		4613	61109	40040602	309
213.382-010	COMPUTER-PERIPHERAL-EQUIPMENT OPERATOR	4	2	3	4	L46	I		4613	61109	40040602	309
213.682-010	TABULATING-MACHINE OPERATOR	3	2	2	5	L4	I		4613	61113	40041200	309
213.685-010	AUXILIARY-EQUIPMENT OPERATOR, DATA PROCE	2	1	1	3	L46	I		4613	61109	40040602	309
217.685-010	BURSTING-MACHINE TENDER	2	1	1	2	L4	I		4729	61199	40041400	347

PROGRAM: 07.0305 BUSINESS DATA PROGRAMMING.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO CONVERT PROBLEMS INTO DETAILED FLOW CHARTS; CODE INTO COMPUTER LANGUAGE; TEST, MONITOR, DEBUG, DOCUMENT, AND MAINTAIN COMPUTER PROGRAMS; AND DESIGN PROGRAMS FOR SPECIFIC USES AND MACHINES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
020.162-014	PROGRAMER, BUSINESS	5	5	4	7	S56	I		3971	31001	10160200	229
020.167-018	PROGRAMER, CHIEF, BUSINESS	5	5	5	7	S456	I		3971	31001	10160200	229
020.187-010	PROGRAMER, INFORMATION SYSTEM	5	5	5	7	S46	I		3971	31002	10160200	229
020.187-014	PROGRAMER, PROCESS CONTROL	5	5	5	7	S6	I	11.0201 11.0301	3974	31002	10160200	233
169.167-030	MANAGER, ELECTRONIC DATA PROCESSING	6	5	5	8	S456	I	07.0401	1260	19000	20061699	019
219.367-026	PROGRAMER, DETAIL	4	3	4	5	S46	I	11.0201 11.0301	4699	31001	10160200	336

PROGRAM: 07.0306 BUSINESS SYSTEMS ANALYSIS.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ANALYZE SPECIFIC PROBLEMS FOR DATA REFINEMENT AND SUMMARIZATION; STUDY EXISTING DATA HANDLING SYSTEMS TO EVALUATE EFFECTIVENESS; AND DEVELOP NEW SYSTEMS TO MEET CURRENT AND PROJECTED DATA PROCESSING NEEDS. INCLUDES INSTRUCTION IN THE PREPARATION OF TECHNICAL REPORTS AND INSTRUCTIONAL MANUALS RELATED TO ESTABLISHMENT OF COMPLETE OPERATIONAL DATA SYSTEMS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
012.167-066	SYSTEMS ANALYST, ELECTRONIC DATA PROCESS	5	5	5	7	S56	I		1712	24001	10160400	064
109.067-010	INFORMATION SCIENTIST	5	5	5	7	S6	I	11.0501	1719	24002	10160400	064

PROGRAM: 07.0399 BUSINESS DATA PROCESSING AND RELATED PROGRAMS, OTHER.

ANY INSTRUCTIONAL PROGRAM IN BUSINESS DATA PROCESSING AND RELATED PROGRAMS NOT DESCRIBED ABOVE.

PROGRAM: 07.0400 OFFICE SUPERVISION AND MANAGEMENT. A GROUP OF INSTRUCTIONAL PROGRAMS (SEE 07.0401).

PROGRAM: 07.0401 OFFICE SUPERVISION AND MANAGEMENT. AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO SUPERVISE EMPLOYEES; BUDGET, ANALYZE, AND COORDINATE CLERICAL AND OTHER OFFICE ACTIVITIES; EVALUATE, ORGANIZE, AND/OR REVISE OFFICE OPERATIONS AND PROCEDURES TO ESTABLISH UNIFORMITY IN HANDLING CORRESPONDENCE, RECORDS, AND OTHER MATERIALS; DESIGN VARIOUS OFFICE LAYOUTS TO FACILITATE MAXIMUM PRODUCTION AND EFFICIENCY; EVALUATE EMPLOYEE RECORDS; AND COORDINATE ACTIVITIES OF CLERICAL DEPARTMENT AND WORKERS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
109.137-010	SHELVING SUPERVISOR	4	2	4	6	L45	I		4519	61396	40061200	303
119.167-018	TITLE SUPERVISOR	5	3	5	8	S45	I	22.0103	3960	19000	20061699	243
163.167-014	MANAGER, CIRCULATION	5	3	4	8	S5	I		1390	19000	20061699	019
166.167-026	MANAGER, EDUCATION AND TRAINING	6	5	5	7	L5	I	07.0502	1230	25465	10242802	008
168.167-054	MANAGER, CREDIT AND COLLECTION	5	5	5	8	S5	I	06.1401 08.0402 08.0403 08.0404	1419	19000	20061699	025
168.167-058	MANAGER, CUSTOMER SERVICE	5	5	5	8	S5	I		4514	19000	20061699	303
169.167-010	ADMINISTRATIVE ASSISTANT	5	3	5	7	S5	I	07.0603	1490	29000	10243899	037
169.167-014	ADMINISTRATIVE SECRETARY	5	4	5	8	S5	I	07.0603	1490	29000	10243899	037
169.167-030	MANAGER, ELECTRONIC DATA PROCESSING	6	5	5	8	S456	I	07.0305	1260	19000	20061699	019
169.167-034	MANAGER, OFFICE	4	3	4	7	S5	I		1370	19000	20061699	019
186.117-034	MANAGER, BROKERAGE OFFICE	5	5	5	8	S5	I	06.1401 08.0406	1210	19000	20061699	019
186.117-038	MANAGER, FINANCIAL INSTITUTION	5	4	4	8	S5	I	06.1401 08.0402 08.0403 08.0404 08.0405	1220	19000	20061699	007
186.137-010	SUPERVISOR, SAFETY DEPOSIT	3	3	3	6	L45	I	06.1401 08.0402	4519	19000	20061699	303
186.167-034	MANAGER, INSURANCE OFFICE	5	4	4	8	S5	I	06.1401 08.1002 08.1003 08.1004	4010	19000	20061699	243
186.167-050	OPERATIONS OFFICER	5	5	4	7	S456	I		1419	19000	20061699	025
187.167-134	MANAGER, MUTUEL DEPARTMENT	4	4	4	5	S456	I		1352	19000	20061699	019
189.167-014	DIRECTOR, SERVICE	5	4	4	7	S5	I	06.1401 08.0705	1390	19000	20061699	019
189.167-018	MANAGEMENT TRAINEE	4	4	4	6	L56	I	06.1401 08.0705	1390	19000	20061699	019
189.167-022	MANAGER, DEPARTMENT	4	4	4	7	S5	I	06.1401 08.0705	1370	19000	20061699	019
189.167-030	PROGRAM MANAGER	5	5	5	8	S56	I		1370	19000	20061699	019
203.132-010	SUPERVISOR, TELEGRAPHIC-TYPEWRITER OPERA	4	2	4	7	L5	I	07.0707	4523	61396	40061200	306
205.137-014	SUPERVISOR, SURVEY WORKERS	4	3	3	6	L5	I	07.0707	4514	61396	40061200	303

*** PROGRAM: 07.0401 OFFICE SUPERVISION AND MANAGEMENT. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
205.367-050	SUPERVISOR, CONTINGENTS	4	2	4	6	S45	I	07.0503	4642	61396	40061200	316
209.132-010	SUPERVISOR, PERSONNEL CLERKS	4	2	4	6	S456	I	07.0503	4519	61396	40061200	303
209.132-014	TECHNICAL COORDINATOR	4	4	4	7	S45	I		4511	61396	40061200	303
209.137-018	SUPERVISOR, AGENCY APPOINTMENTS	4	3	4	7	S56	I		4519	61396	40061200	303
209.137-022	SUPERVISOR, CODING CLERKS	4	3	4	7	S456	I	07.0303	4519	61396	40061200	303
209.137-026	SUPERVISOR, MARKING ROOM	3	2	3	6	L45	I	08.0705	4525	61396	40061200	307
210.132-010	SUPERVISOR, AUDIT CLERKS	4	4	3	6	L456	I	07.0102	4521	61396	40061200	305
211.132-010	TELLER, HEAD	4	3	4	8	L456	I	07.0205	4529	61396	40061200	303
211.137-010	SUPERVISOR, CASHIERS	4	3	3	7	L45	I	07.0205	4529	61396	40061200	303
211.137-018	SUPERVISOR, MONEY-ROOM	4	4	3	6	L456	I		4529	61396	40061200	303
211.137-022	SUPERVISOR, TELLERS	4	4	4	8	S456	I	07.0205	4529	61396	40061200	303
213.132-010	SUPERVISOR, COMPUTER OPERATIONS	5	5	4	7	L56	I	07.0302	4512	61396	40061200	304
213.132-014	SUPERVISOR, MACHINE-RECORDS UNIT	4	3	4	7	L46	IS	07.0302	4512	61396	40061200	304
214.137-010	DOCUMENTATION SUPERVISOR	4	3	3	7	L56	I		4521	61396	40061200	305
214.137-014	MANAGER, STATEMENT CLERKS	4	3	4	7	L45	I	07.0104 07.0205	4519	61396	40061200	303
214.137-018	RATE SUPERVISOR	4	3	3	6	S45	I		4525	61396	40061200	307
214.137-022	SUPERVISOR, ACCOUNTS RECEIVABLE	4	4	3	8	S456	I	07.0102	4521	61396	40061200	305
215.137-010	CREW SCHEDULER, CHIEF	4	3	4	7	S5	I		4525	61396	40061200	307
215.137-014	PAYROLL CLERK, CHIEF	4	4	4	8	S45	I	07.0102	4521	61396	40061200	305
215.137-018	SUPERVISOR, FORCE ADJUSTMENT	4	3	4	7	S45	I		4525	61396	40061200	307
216.132-010	SUPERVISOR, ACCOUNTING CLERKS	4	4	4	7	S456	I	07.0102	4521	61396	40061200	305
216.132-014	SUPERVISOR, SECURITIES VAULT	4	3	4	7	L456	I		4519	61396	40061200	303
216.137-010	COST-AND-SALES-RECORD SUPERVISOR	5	5	4	7	S456	I	06.0404	4521	61396	40061200	305
216.137-014	STOCK-TRANSFER CLERK, HEAD	4	4	4	6	S5	I	07.0103 08.0406	4521	61396	40061200	305
217.132-010	PROOF-MACHINE-OPERATOR SUPERVISOR	4	3	4	6	S456	I	07.0104	4521	61396	40061200	305
219.132-010	SUPERVISOR, POLICY-CHANGE CLERKS	4	3	4	7	S456	I	07.0203	4519	61396	40061200	303
219.132-014	SUPERVISOR, TRUST ACCOUNTS	4	3	4	7	L456	I	07.0102 08.0402	4799	61396	40061200	389
219.132-018	SUPERVISOR, TRUST EVALUATION	4	4	4	6	L456	I	07.0102 08.0406	4519	61396	40061200	303
219.132-022	SUPERVISOR, UNDERWRITING CLERKS	4	3	4	7	L456	I		4519	61396	40061200	303
219.137-010	FIELD CASHIER	4	4	4	7	S46	I		4529	61396	40061200	303
219.137-014	SUPERVISOR, DATA-CONTROL CLERK	4	2	3	6	L45	I	07.0303	4519	61396	40061200	303
221.132-010	CHIEF CLERK, MEASUREMENT DEPARTMENT	4	4	4	7	S456	I		4525	61396	40061200	307
221.137-014	SUPERVISOR, PRODUCTION CLERKS	4	4	4	7	S56	I		4525	61396	40061200	307
221.137-018	SUPERVISOR, PRODUCTION CONTROL	4	3	4	8	L56	I		4525	61396	40061200	307
222.137-010	FILM-VAULT SUPERVISOR	4	3	3	7	L45	I	07.0708	4525	61396	40061200	307
222.137-014	LINEN-ROOM SUPERVISOR	4	3	3	6	L45	I	08.0203	4525	61396	40061200	307
222.137-018	MAGAZINE SUPERVISOR	4	2	3	6	L5	I	07.0708	4525	61396	40061200	307
222.137-022	MAILROOM SUPERVISOR	4	2	3	7	L6	I	07.0706	4522	61396	40061200	307
222.137-030	SHIPPING-AND-RECEIVING SUPERVISOR	4	3	4	6	L456	I	07.0708	4525	61396	40061200	307
222.137-034	STOCK SUPERVISOR	4	3	3	6	L5	I	07.0708 08.0904	4525	61396	40061200	307
222.137-038	STOCK-CONTROL SUPERVISOR	4	3	3	6	L45	I	07.0708 08.0904	4525	61396	40061200	307
222.137-042	SUPERVISOR, ASSEMBLY STOCK	4	2	3	6	L5	I	07.0708	4525	61396	40061200	307

*** PROGRAM: 07.0401 OFFICE SUPERVISICN AND MANAGEMENT. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
222.137-046	TOOL-CRIB SUPERVISOR	4	3	3	6	L5	I	07.0708	4525	61396	40061200	307
229.137-010	SACK-DEPARTMENT SUPERVISOR	4	3	2	6	L5	I	07.0708	4525	61396	40061200	307
230.137-014	SUPERVISOR, DELIVERY DEPARTMENT	4	2	3	6	L5	I	07.0707	4525	61396	40061200	307
235.132-010	CENTRAL-OFFICE-OPERATOR SUPERVISOR	4	2	3	6	L5	I	07.0707	4523	61396	40061200	306
235.132-014	COMMUNICATION-CENTER COORDINATOR	4	3	4	5	S456	I	07.0707	4523	61396	40061200	306
237.137-010	SUPERVISOR, TELEPHONE INFORMATION	4	3	4	7	S56	I45	07.0707	4514	61396	40061200	303
237.137-014	SUPERVISOR, TRAVEL-INFORMATION CENTER	4	3	4	6	L456	I7	06.0705 07.0707 08.1104 08.1105	4514	61396	40061200	303
238.137-014	SENIOR RESERVATIONS AGENT	4	3	3	6	L456	I	07.0707 08.1105	4514	61396	40061200	303
238.137-022	SUPERVISOR, TICKET SALES	4	3	4	6	L45	I	08.1105	4514	61396	40061200	303
239.132-010	SUPERVISOR, TELEPHONE CLERKS	4	2	4	5	L5	I	07.0707	4524	61396	40061200	307
239.137-010	COMMERCIAL-INSTRUCTOR SUPERVISOR	4	3	4	8	S5	I	07.0503	1283	29000	10243899	014
239.137-014	CUSTOMER-SERVICE REPRESENTATIVE SUPERVIS	4	2	3	6	S45	I	07.0706	4516	61396	40061200	303
239.137-018	ROUTE SUPERVISOR	4	2	3	6	L5	I		4525	61396	40061200	307
239.137-022	SERVICE OBSERVER, CHIEF	4	2	4	7	L5	I	07.0707	4523	61396	40061200	306
239.137-026	SUPERVISOR, PUBLIC MESSAGE SERVICE	4	3	4	7	S46	I	07.0707	4524	61396	40061200	307
241.137-010	SUPERVISOR, CREDIT AND LOAN COLLECTIONS	4	3	4	5	S5	I	07.0202 08.0403	4528	61396	40061200	307
241.137-014	SUPERVISOR, CUSTOMER-COMPLAINT SERVICE	4	3	4	5	S5	I	07.0703	4528	61396	40061200	307
245.137-010	WARD-SERVICE SUPERVISOR	4	3	4	6	L56	I	07.0605 17.0606	4511	61396	40061200	303
247.137-010	SUPERVISOR, ADVERTISING-DISPATCH CLERKS	4	2	4	5	L5	I	09.0201	4525	61396	40061200	307
247.137-014	SUPERVISOR, CLASSIFIED ADVERTISING	4	3	4	6	L5	I	07.0706 09.0201	4516	61396	40061200	303
248.137-010	BOOKING SUPERVISOR	4	3	3	6	L45	I	07.0709 08.1102	4525	61396	40061200	307
248.137-014	PURCHASING-AND-CLAIMS SUPERVISOR	4	3	4	6	S5	I	06.0705 07.0709	4529	61396	40061200	303
248.137-018	SUPERVISOR, CUSTOMER SERVICES	4	3	4	6	L45	I	08.1102	4525	61396	40061200	307
249.137-010	OFFICE SUPERVISOR, ANIMAL HOSPITAL	4	3	4	6	S5	I		4511	61396	40061200	303
249.137-014	SUPERVISOR, CONTACT AND SERVICE CLERKS	4	2	4	7	S56	I	07.0706	4516	61396	40061200	303
249.137-018	SUPERVISOR, CORRESPONDENCE SECTION	4	2	4	6	S46	I	07.0703	4516	61396	40061200	303
249.137-022	SUPERVISOR, CUSTOMER RECORDS DIVISION	4	3	4	7	S5	I	07.0706	4516	61396	40061200	303
249.137-026	SUPERVISOR, ORDER TAKERS	4	3	4	5	S45	I	07.0706	4516	61396	40061200	303
292.137-010	COIN-MACHINE-COLLECTOR SUPERVISOR	3	3	3	5	L45	I		4529	61396	40061200	303
375.137-022	SECRETARY OF POLICE	4	3	4	7	S45	I	07.0606	4511	61396	40061200	303
959.137-018	ORDER DISPATCHER, CHIEF	4	2	3	6	S45	I	07.0706	4525	61396	40061200	307

PROGRAM: 07.0500 PERSONNEL AND TRAINING PROGRAMS.

A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS TO UNDERTAKE ORGANIZATIONAL AND FACILITATING FUNCTIONS ASSOCIATED WITH PERSONNEL ADMINISTRATION.

PROGRAM: 07.0501 PERSONNEL AND TRAINING PROGRAMS, GENERAL.

AN INSTRUCTIONAL PROGRAM THAT GENERALLY PREPARES INDIVIDUALS TO UNDERTAKE ORGANIZATIONAL AND FACILITATING FUNCTIONS ASSOCIATED WITH PERSONNEL ADMINISTRATION.

PROGRAM: 07.0502 EDUCATIONAL ASSISTING AND TRAINING.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS IN THE FACILITATING FUNCTIONS OF AN ORGANIZATION DEALING WITH PERSONNEL, SUCH AS TEACHER AIDES IN EDUCATION, TRAINING SPECIALISTS IN INDUSTRY, AND TEST TECHNICIANS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED			SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1930 CENSUS CODE
		R	M	L								
166.167-026	MANAGER, EDUCATION AND TRAINING	6	5	5	7	L5	I	07.0401	1230	25465	10242802	008
166.227-010	TRAINING REPRESENTATIVE	5	4	5	7	L5	I		2390	25465	10242802	159
219.467-010	GRADING CLERK	4	3	3	3	S4	I	20.0205	4795	61410	40065600	387
249.367-074	TEACHER AIDE 2	3	3	3	3	S5	I	20.0205	4795	61410	40065600	387
249.367-078	TEST TECHNICIAN	3	2	3	4	L56	I		4756	61900	40066898	368

PROGRAM: 07.0503 PERSONNEL ASSISTING.

-------------------- AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ASSIST IN IMPLEMENTING POLICIES RELATING TO THE PERSONNEL ADMINISTRATION OF AN ORGANIZATION. INCLUDES INSTRUCTION IN RECRUITMENT, SELECTION, TRAINING, PROMOTION, WELFARE, RECREATION, SAFETY, COMPENSATION, AND SEPARATION OF EMPLOYEES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
166.067-010	OCCUPATIONAL ANALYST	5	4	5	7	L56	I		1430	25465	10242802	027
166.117-014	MANAGER, EMPLOYEE WELFARE	5	4	5	7	S5	I		1430	25465	10242802	027
166.117-018	MANAGER, PERSONNEL	5	5	5	8	S5	I		1230	25465	10242802	008
166.167-014	DIRECTOR OF PLACEMENT	6	5	5	8	S45	I		1430	25465	10242802	027
166.167-018	MANAGER, BENEFITS	4	4	4	7	S5	I		1230	25465	10242802	008
166.167-022	MANAGER, COMPENSATION	5	5	5	8	S5	I		1430	25465	10242802	027
166.167-030	MANAGER, EMPLOYMENT	5	4	5	8	S5	I		1230	25465	10242802	008
166.167-034	MANAGER, LABOR RELATIONS	5	4	5	8	S5	I		1430	25465	10242802	027
166.167-038	PORT PURSER	5	4	4	8	S5	I		1430	29000	10243899	027
166.267-010	EMPLOYMENT INTERVIEWER	5	3	5	5	S5	I		1430	25443	10242803	027
166.267-018	JOB ANALYST	5	4	5	6	L56	I		1430	25465	10242802	027
166.267-022	PRISONER-CLASSIFICATION INTERVIEWER	5	3	4	7	S5	I		1430	25465	10242802	027
166.267-026	RECRUITER	4	2	3	5	H5	B		1430	00000		027
166.267-030	RETIREMENT OFFICER	5	5	4	7	L5	I		1370	25465	10242802	019
169.367-010	EMPLOYMENT-AND-CLAIMS AIDE	3	3	3	5	S5	I		1430	25543	10243818	027
205.362-010	CIVIL-SERVICE CLERK	3	2	3	3	S45	I		4692	61352	40062602	328
205.362-014	EMPLOYMENT CLERK	4	2	4	5	S45	I		4692	61352	40062602	328
205.362-022	IDENTIFICATION CLERK	3	1	3	3	S456	I		4692	61352	40062602	328
205.367-010	ADMISSIONS EVALUATOR	4	2	4	6	S45	I		4699	61432	40062603	336
205.367-050	SUPERVISOR, CONTINGENTS	4	2	4	6	S45	I	07.0401	4642	61396	40061200	316
205.567-010	INSURANCE CLERK 2	3	2	3	4	S4	I		4692	61352	40062602	328
209.132-010	SUPERVISOR, PERSONNEL CLERKS	4	2	4	6	S456	I	07.0401	4519	61396	40061200	303
209.362-026	PERSONNEL CLERK	4	2	4	4	S46	I		4692	61352	40062602	328
215.362-010	CREW SCHEDULER	3	3	3	5	S46	I		4752	62013	40065202	363
215.362-014	DISPATCHER CLERK	3	2	2	4	S45	I		4752	61900	40066898	363
215.367-010	ASSIGNMENT CLERK	3	2	2	3	S5	I		4752	61351	40064000	363
215.367-014	PERSONNEL SCHEDULER	4	3	3	4	S456	I		4752	61900	40066898	363
215.367-018	TAXICAB COORDINATOR	3	2	2	5	S46	I	06.0705	4752	61900	40066898	363
239.137-010	COMMERCIAL-INSTRUCTOR SUPERVISOR	4	3	4	8	S5	I	07.0401	1283	29000	10243899	014
239.227-010	CUSTOMER-SERVICE-REPRESENTATIVE INSTRUCT	4	2	3	6	S45	I		2390	61900	40066898	159
241.267-010	AGENT-CONTRACT CLERK	5	1	4	5	S4	I	08.1003 08.1004	4692	61352	40062602	328
249.167-018	LABOR EXPEDITER	4	3	4	5	L5	B		4758	62003	40062400	373

PROGRAM: 07.0599 PERSONNEL AND TRAINING PROGRAMS, OTHER.

-------------------------------------- ANY INSTRUCTIONAL PROGRAM IN PERSONNEL AND TRAINING TRAINING NOT DESCRIBED ABOVE.

PROGRAM: 07.0600 SECRETARIAL AND RELATED PROGRAMS.

A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS TO RECORD AND TRANSCRIBE COMMUNICATIONS AND TO PROVIDE ADMINISTRATIVE SUPPORT.

PROGRAM: 07.0601 SECRETARIAL AND RELATED PROGRAMS, GENERAL.

AN INSTRUCTIONAL PROGRAM THAT GENERALLY PREPARES INDIVIDUALS TO RECORD AND TRANSCRIBE COMMUNICATIONS AND TO ABSTRACT, CLASSIFY, AND FILE INFORMATION.

PROGRAM: 07.0602 COURT REPORTING.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO RECORD EXAMINATION, TESTIMONY, JUDICIAL OPINIONS, JUDGE'S CHARGE TO JURY, JUDGMENT OR SENTENCE OF COURT, OR OTHER PROCEEDINGS IN COURT OF LAW BY MACHINE SHORTHAND. INCLUDES INSTRUCTION IN THE SPECIALIZED TERMINOLOGY AND PROCEDURES USED IN THE LEGAL, MEDICAL, AND INSURANCE FIELDS; SKILLS FOR RECORDING TWO-, THREE- AND FOUR-WAY CONVERSATIONS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
202.362-010	SHORTHAND REPORTER	3	2	3	6	S456	I		4623	61200	40020400	314
243.362-010	COURT CLERK	4	2	4	6	S56	I		4799	61425	40065216	389

PROGRAM: 07.0603 EXECUTIVE SECRETARIAL.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ASSIST MANAGEMENT BY EXPEDITING AND FACILITATING THE MAINTENANCE OF EXECUTIVE AND CORPORATION RECORDS; PLANNING CONFERENCES; PREPARING RECORD NOTICES, MINUTES, AND RESOLUTIONS; FILING CORPORATE LEGAL DOCUMENTS; AND ASSISTING IN THE ADMINISTRATION OF POLICY.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
169.167-010	ADMINISTRATIVE ASSISTANT	5	3	5	7	S5	I	07.0401	1490	29000	10243899	037
169.167-014	ADMINISTRATIVE SECRETARY	5	4	5	8	S5	I	07.0401	1490	29000	10243899	037
243.367-018	TOWN CLERK	4	4	3	5	S56	I	07.0705	4799	61426	40066840	389

PROGRAM: 07.0604 LEGAL SECRETARIAL.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO PREPARE LEGAL PAPERS AND CORRESPONDENCE, SUCH AS SUMMONSES, COMPLAINTS, MOTIONS, AND SUBPOENAS. INCLUDES INSTRUCTION IN LEGAL TERMINOLOGY, PROCEDURES, AND DOCUMENTS, AS WELL AS LAW LIBRARY RESEARCH.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
201.362-010	LEGAL SECRETARY	4	2	4	6	S456	I		4622	61368	40020200	313

PROGRAM: 07.0605 MEDICAL SECRETARIAL.

---------------------- AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO PERFORM SECRETARIAL DUTIES UTILIZING A KNOWLEDGE OF MEDICAL TERMINOLOGY AND HOSPITAL, CLINIC, OR LABORATORY PROCEDURES. INCLUDES INSTRUCTION IN WRITING REPORTS, SUCH AS CASE HISTORIES, AND UNDERSTANDING LEGAL AND INSURANCE FORMS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
201.362-014	MEDICAL SECRETARY	4	3	4	7	S456	I	17.0503	4622	61368	40020200	313
205.137-010	ADMITTING OFFICER	4	2	3	7	S5	I	07.0707	4514	61396	40061200	303
205.362-018	HOSPITAL-ADMITTING CLERK	3	2	3	6	S45	I	07.0707	4642	61337	40066898	316
205.362-030	OUTPATIENT-ADMITTING CLERK	3	2	3	4	S456	I	07.0707	4642	61337	40066898	316
214.362-022	INSURANCE CLERK	4	3	4	5	S456	I	07.0203 17.0503	4784	61348	40066846	377
245.137-010	WARD-SERVICE SUPERVISOR	4	3	4	6	L56	I	07.0401 17.0606	4511	61396	40061200	303
245.362-010	MEDICAL-RECORD CLERK	4	3	3	4	L46	I	17.0506	4794	61374	40065211	386
245.362-014	WARD CLERK	3	3	3	3	L45	I	17.0513	4630	61333	40066811	379
245.367-014	BLOOD-DONOR-UNIT ASSISTANT	2	1	2	2	L45	I		4630	61333	40066811	379
245.367-018	CALENDAR-CONTROL CLERK, BLOOD BANK	3	2	2	3	S5	I		4630	62900	40066899	379
245.367-022	CREDIT CLERK, BLOOD BANK	3	2	3	3	S45	I		4664	61350	40061604	327
245.367-026	ORDER-CONTROL CLERK, BLOOD BANK	3	2	3	3	S5	I	07.0706	4664	61350	40061604	327

PROGRAM: 07.0606 SECRETARIAL.

------------ AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO CARRY OUT ADMINISTRATIVE AND GENERAL OFFICE DUTIES IN A SUPPORT CAPACITY. INCLUDES INSTRUCTION IN SCHEDULING APPOINTMENTS, GIVING INFORMATION TO CALLERS, TAKING AND TRANSCRIBING DICTATION, AND RELIEVING OFFICIALS OF MINOR ADMINISTRATIVE AND BUSINESS DETAILS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
201.162-010	SOCIAL SECRETARY	4	2	4	6	S456	I		4622	61368	40020200	313
201.362-018	MEMBERSHIP SECRETARY	4	3	4	3	S456	I		4622	61368	40020200	313
201.362-022	SCHOOL SECRETARY	4	3	4	6	S456	I		4622	61368	40020200	313
201.362-026	SCRIPT SUPERVISOR	4	2	4	6	L456	I		4622	61385	40066847	313
201.362-030	SECRETARY	4	3	4	6	S456	I		4622	61368	40020200	313
375.137-022	SECRETARY OF POLICE	4	3	4	7	S45	I	07.0401	4511	61396	40061200	303

PROGRAM: 07.0607 STENOGRAPHIC.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO TAKE DIRECT DICTATION OF CORRESPONDENCE, REPORTS, AND OTHER MATERIALS BY HAND OR MACHINE AND TO TRANSCRIBE DICTATED MATERIALS.

DICTIONARY OF OCCUPATIONAL TITLES CODE	FOURTH EDITION TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
202.132-010	SUPERVISOR, STENO POOL	4	2	4	6	S5	I		4513	61396	40061200	303
202.362-014	STENOGRAPHER	3	2	3	5	S456	I		4623	61200	40020400	314
202.362-018	STENOGRAPHER, PRINT SHOP	3	2	3	5	S456	I		4623	61200	40020400	314
202.362-022	STENOTYPE OPERATOR	4	2	4	5	S456	I		4623	61200	40020400	314
203.132-014	SUPERVISOR, TRANSCRIBING OPERATORS	4	2	4	6	L456	I		4513	61396	40061200	303
203.582-058	TRANSCRIBING-MACHINE OPERATOR	3	1	3	4	S456	I	07.0608 17.0506	4623	61199	40041400	314
209.584-010	BRAILLE TRANSCRIBER, HAND	3	1	3	4	S4	I		4799	61900	40066898	389

PROGRAM: 07.0608 WORD PROCESSING.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO EDIT AND PRODUCE WRITTEN COMMUNICATIONS UTILIZING SPECIAL-PURPOSE MACHINES TO CORRECT, FORMAT, AND PRINT INFORMATION.

DICTIONARY OF OCCUPATIONAL TITLES CODE	FOURTH EDITION TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
203.137-010	SUPERVISOR, WORD PROCESSING	4	3	4	6	S5	I		4513	61396	40061200	303
203.362-018	TERMINAL-SYSTEM OPERATOR	4	3	4	5	S45	I	07.0303	4793	61392	40020600	385
203.382-018	MAGNETIC-TAPE-COMPOSER OPERATOR	4	3	3	5	S456	I	07.0303	4793	61107	40041000	385
203.582-034	MAGNETIC-TAPE-TYPEWRITER OPERATOR	3	2	3	4	S456	I		4793	61392	40020600	385
203.582-038	PERFORATOR TYPIST	3	1	3	4	S46	I		4793	61392	40020600	385
203.582-042	PHOTOCOMPOSING-PERFORATOR-MACHINE OPERAT	4	3	3	6	S46	I	48.0205	4793	55T12	50100400	385
203.582-046	PHOTOCOMPOSITION-KEYBOARD OPERATOR	3	2	3	4	S46	I	48.0205	4793	55T12	50100400	385
203.582-058	TRANSCRIBING-MACHINE OPERATOR	3	1	3	4	S456	I	07.0607 17.0506	4623	61199	40041400	314
203.582-062	TYPESETTER-PERFORATOR OPERATOR	3	1	3	4	S46	I	48.0205	4793	55D60 55T06	50100400 50100400	385
208.382-010	TERMINAL-MAKEUP OPERATOR	3	2	3	5	S46	I	07.0303	4793	61900	40066898	385

PROGRAM: 07.0699 SECRETARIAL AND RELATED PROGRAMS, OTHER.

ANY INSTRUCTIONAL PROGRAM IN SECRETARIAL AND RELATED PROGRAMS NOT DESCRIBED ABOVE.

PROGRAM: 07.0700 TYPING, GENERAL OFFICE, AND RELATED PROGRAMS.

A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS TO RECORD, DUPLICATE, AND RETRIEVE DATA, INCLUDING CLASSIFYING, SORTING, AND FILING CORRESPONDENCE, RECORDS AND OTHER DATA INCLUDES INSTRUCTION IN SHIPPING AND RECEIVING PROCEDURES STOCK AND INVENTORY MAINTENANCE, AND OPERATION OF OFFICE MACHINES.

PROGRAM: 07.0701 TYPING, GENERAL OFFICE AND RELATED PROGRAMS, GENERAL.

AN INSTRUCTIONAL PROGRAM THAT GENERALLY PREPARES INDIVIDUALS TO RECORD, DUPLICATE, AND RETRIEVE DATA, INCLUDING CLASSIFYING, SORTING, AND FILING CORRESPONDENCE, RECORDS, AND OTHER DATA. INCLUDES INSTRUCTION IN SHIPPING AND RECEIVING PROCEDURES, STOCK AND INVENTORY MAINTENANCE, AND OPERATION OF OFFICE MACHINES.

PROGRAM: 07.0702 CLERK-TYPIST.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO USE A TYPEWRITER IN A VARIETY OF ACTIVITIES, INCLUDING CORRESPONDENCE AND COMPILING AND TYPING REPORTS, APPLICATION FORMS, SHIPPING TICKETS, AND OTHER DATA FROM CLERICAL RECORDS. INCLUDES INSTRUCTION IN FILING RECORDS AND REPORTS, POSTING INFORMATION TO RECORDS, SORTING AND DISTRIBUTING MAIL, ANSWERING TELEPHONES, AND COMPUTING WITH CALCULATING MACHINES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
203.362-010	CLERK-TYPIST	3	2	3	4	S456	I		4624	61392	40020600	315

PROGRAM: 07.0703 CORRESPONDENCE CLERK.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO COMPOSE CORRESPONDENCE AND RELATED ITEMS FOR THE PURPOSE OF OBTAINING OR GIVING INFORMATION ON MERCHANDISE, DAMAGE CLAIMS, CREDIT, BILLS, OR UNSATISFACTORY SERVICE. INCLUDES INSTRUCTION IN PREPARING MATERIALS, USING A TYPEWRITER, ROUTING CORRESPONDENCE, AND KEEPING RECORDS OF INCOMING AND OUTGOING WRITTEN CORRESPONDENCE.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
209.262-010	CORRESPONDENCE CLERK	4	2	4	6	S456	I		4663	61323	40066898	326
209.367-018	CORRESPONDENCE-REVIEW CLERK	3	1	3	5	S46	I		4663	61323	40066898	326
209.387-034	SUGGESTION CLERK	3	1	3	4	S4	I	07.0705	4699	61900	40066898	336
221.367-062	SALES CORRESPONDENT	4	2	4	6	L5	I		4663	61323	40066898	326
241.137-014	SUPERVISOR, CUSTOMER-COMPLAINT SERVICE	4	3	4	5	S5	I	07.0401	4528	61396	40061200	307
241.267-034	INVESTIGATOR, UTILITY-BILL COMPLAINTS	4	4	4	6	L56	I		4783	61900	40066898	376
241.367-014	CUSTOMER-COMPLAINT CLERK	4	3	4	5	S56	I	08.0705	4783	61313	40062208	376
241.387-010	CLAIMS CLERK	4	3	3	5	S6	I		4783	61313	40062208	376
249.137-018	SUPERVISOR, CORRESPONDENCE SECTION	4	2	4	6	S46	I	07.0401	4516	61396	40061200	303
249.262-010	POLICYHOLDER-INFORMATION CLERK	4	2	4	6	S456	I		4649	61323	40066898	323

PROGRAM: 07.0704 DUPLICATING MACHINE OPERATION.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO OPERATE MACHINES FOR THE REPRODUCTION OF HANDWRITTEN OR TYPEWRITTEN MATERIAL. INCLUDES INSTRUCTION IN KEEPING RECORDS OF THE NUMBER OF COPIES MADE AND BASIC DUPLICATING-MACHINE MAINTENANCE.

DICTIONARY OF OCCUPATIONAL TITLES CODE	FOURTH EDITION TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
207.137-010	CHIEF CLERK, PRINT SHOP	4	2	3	6	L456	I		4522	61396	40061200	307
207.682-010	DUPLICATING-MACHINE OPERATOR 1	3	2	1	4	L4	I		4722	61120	40040800	345
207.682-014	DUPLICATING-MACHINE OPERATOR 2	2	1	1	4	L34	I		4722	61120	40040800	345
207.682-018	OFFSET-DUPLICATING-MACHINE OPERATOR	3	2	1	5	M46	I		4722	61120	40040800	345
207.685-010	BRAILLE-DUPLICATING-MACHINE OPERATOR	2	1	2	2	M4	I		4722	61199	40041400	345
207.685-014	PHOTOCOPYING-MACHINE OPERATOR	2	1	1	2	L4	I		4722	61120	40040800	345
207.685-018	PHOTOGRAPHIC-MACHINE OPERATOR	3	2	2	3	L4	I		4722	61120	40040800	345
208.582-014	EMBOSSING-MACHINE OPERATOR 1	3	1	2	4	L46	I	07.0706	4729	61199	40041400	347
208.682-010	EMBOSSING-MACHINE OPERATOR 2	3	1	2	4	L46	I	07.0706	4729	61199	40041400	347
208.685-010	COLLATOR OPERATOR	2	1	1	2	L4	I	07.0304	4729	61199	40041400	347
208.685-014	FOLDING-MACHINE OPERATOR	2	1	1	2	L4	I	07.0706	4723	61117	40041400	346
221.367-058	REPRODUCTION ORDER PROCESSOR	3	2	3	5	S45	I		4752	62003	40062400	363

PROGRAM: 07.0705 GENERAL OFFICE CLERK.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO PERFORM A VARIETY OF CLERICAL DUTIES SUCH AS COPYING DATA; COMPILING RECORDS AND REPORTS; TABULATING AND POSTING DATA IN RECORD BOOKS; PROVIDING INFORMATION AND CONDUCTING INTERVIEWS; OPERATING OFFICE MACHINES; AND HANDLING MAIL AND CORRESPONDENCE.

DICTIONARY OF OCCUPATIONAL TITLES CODE	FOURTH EDITION TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
203.382-014	CANCELLATION CLERK	3	3	3	5	S46	I		4699	61310	40066805	336
205.367-034	LICENSE CLERK	3	2	3	3	S45	I		4787	61436	40066848	389
206.137-010	SUPERVISOR, FILES	4	2	4	6	L56	I		4519	61396	40061200	303
206.362-010	FILE CLERK 1	3	1	2	3	L34	I		4696	61330	40062601	335
206.367-010	ENGINEERING-DOCUMENT-CONTROL CLERK	4	3	4	6	S46	I		4759	61900	40066898	374
206.367-014	FILE CLERK 2	3	2	3	5	L346	I		4696	61330	40062601	335
206.387-010	CLASSIFICATION CLERK	3	2	3	5	L6	I		4696	61330	40062601	335
206.387-014	FINGERPRINT CLERK 2	4	2	3	4	S46	I		4696	61330	40062601	335
206.387-018	LIBRARIAN, MORGUE	3	1	3	4	L346	I		4696	61330	40062601	335
206.387-022	RECORD CLERK	3	2	2	3	L34	I		4696	61330	40062601	335
206.387-026	RECORDS CUSTODIAN	3	2	3	5	L346	I		4696	61330	40062601	335
206.387-030	TAPE LIBRARIAN	4	2	4	4	L46	I	07.0303	4696	61330	40062601	335
206.587-010	BRAND RECORDER	3	1	2	4	S6	I		4699	61900	40066898	336
209.362-010	CIRCULATION CLERK	3	2	3	3	S46	I	07.0706	4699	61416	40061605	336
209.362-022	IDENTIFICATION TECHNICIAN	3	2	3	4	L46	I		4799	61900	40066898	389
209.367-010	AGENT-LICENSING CLERK	4	1	4	5	S46	I	07.0203	4799	61900	40066898	389
209.367-038	NEWS ASSISTANT	4	2	4	3	L5	I		4799	61900	40066898	389
209.367-050	TRIP FOLLOWER	3	3	3	3	L45	I		4799	61900	40066898	389
209.382-022	TRAFFIC CLERK	3	2	3	4	S5	I		4799	61900	40066898	389
209.387-034	SUGGESTION CLERK	3	1	3	4	S4	I	07.0703	4699	61900	40066898	336
209.562-010	CLERK, GENERAL	3	2	3	2	L46	I		4630	61333	40066811	379
209.587-010	ADDRESSER	2	1	2	2	S4	I	07.0706	4799	61900	40066898	389
209.587-014	CREDIT-CARD CLERK	3	1	3	3	S4	I		4699	61900	40066898	336

*** PROGRAM: 07.0705 GENERAL OFFICE CLERK. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
209.587-022	HISTORY-CARD CLERK	3	2	3	4	S456	I		4699	61900	40066898	336
209.587-042	RETURN-TO-FACTORY CLERK	3	2	2	3	L4	I	08.0705	4699	61355	40065402	336
209.587-046	SAMPLE CLERK, PAPER	3	2	2	3	M46	I5		4757	61900	40066898	369
209.587-050	WRONG-ADDRESS CLERK	2	1	2	3	L46	I		4759	61900	40066898	374
209.687-010	CHECKER 2	3	2	2	4	S46	I	07.0710	4712	61900	40066898	337
209.687-022	SORTER	2	1	2	3	S46	I		4699	61900	40066898	336
216.462-010	BOOKING PRIZER	3	3	3	3	L45	I		4756	59002	63000000	368
219.362-010	ADMINISTRATIVE CLERK	4	3	3	4	L456	I		4630	61333	40066811	379
219.362-014	ATTENDANCE CLERK	4	3	4	6	S45	I		4699	61900	40066898	336
219.362-022	CLERK, TELEGRAPH SERVICE	4	3	3	5	S456	I		4630	61374	40065211	379
219.362-026	CONTRACT CLERK, AUTOMOBILE	4	3	3	5	S45	I	07.0204	4630	61900	40066898	379
219.362-046	REAL-ESTATE CLERK	4	3	3	5	S4	I		4630	61360	40066810	379
219.362-050	REVIVAL CLERK	3	2	3	4	S4	I		4699	61420	40065217	336
219.362-058	STATEMENT CLERK	3	2	3	4	L46	I	07.0104 07.0205	4699	61372	40066823	336
219.367-010	CHECKER, DUMP GROUNDS	3	3	2	3	L4	B		4756	62900	40066899	368
219.462-014	TRAIN CLERK	3	2	2	3	S4	I		4699	61900	40066898	336
221.362-010	AIRCRAFT-LOG CLERK	3	3	3	4	S46	I		4759	62900	40066899	374
221.362-022	PROGRESS CLERK	4	3	3	5	L4	I		4752	62003	40062400	363
221.362-026	RAILROAD-MAINTENANCE CLERK	3	3	3	4	S46	I		4759	62900	40066899	374
221.367-026	LINE-UP WORKER	3	2	3	3	L456	I		4752	62003	40062400	363
221.367-054	RELAY-RECORD CLERK	3	3	3	5	S45	I		4752	62003	40062400	363
221.367-078	TRAFFIC CLERK	4	2	3	4	S5	I		4752	62003	40062400	363
221.382-010	CHART CLERK	3	3	3	4	S46	I		4794	61374	40065211	386
221.382-018	PRODUCTION CLERK	3	3	3	4	S46	I		4752	62003	40062400	363
221.387-018	CONTROL CLERK	3	3	3	6	L4	I		4752	62003	40062400	363
221.387-034	JOB TRACER	3	2	3	4	L4	I		4758	62003	40062400	373
221.387-038	LAUNDRY CLERK	3	2	3	3	L4	I		4759	62900	40066899	374
221.387-046	ORDER DETAILER	3	3	3	4	L46	I		4752	62003	40062400	363
221.584-010	CHART CHANGER	3	2	3	4	L4	B		4794	61374	40065211	386
222.137-050	VAULT CASHIER	4	3	3	5	L5	I		4525	61396	40061200	307
222.367-054	PROPERTY CLERK	3	2	3	5	L45	I		4699	61900	40066898	336
237.367-014	CALL-OUT OPERATOR	3	2	3	2	S5	I	07.0707	4699	61309	40066804	336
237.367-026	LAND-LEASING EXAMINER	4	3	4	7	S45	I		4649	61337	40066898	323
239.567-010	OFFICE HELPER	2	2	2	2	L45	I		4745	61380	40063602	357
243.362-014	POLICE AIDE	3	2	3	3	S5	I		4630	61333	40066811	379
243.367-018	TOWN CLERK	4	4	3	5	S56	I	07.0603	4799	61426	40066840	389
245.367-010	ANIMAL-HOSPITAL CLERK	3	2	3	4	S45	I		4630	61333	40066811	379
248.362-014	WEATHER CLERK	3	2	3	3	L4	I		4699	62016	40066839	336
248.387-010	FLIGHT OPERATIONS SPECIALIST	3	3	2	6	L456	I5		4799	00000		389
249.267-010	COPYRIGHT EXPERT	4	2	4	7	S6	I		4799	61900	40066898	389
249.367-010	ANIMAL-SHELTER CLERK	3	2	3	3	S45	I		4630	61333	40066811	379
249.367-030	DOG LICENSER	3	2	3	4	L5	B		4787	61900	40066898	389
249.367-046	LIBRARY ASSISTANT	3	2	3	4	L3456	I		4694	61339	40063000	329
249.387-014	INTELLIGENCE CLERK	3	3	3	6	M46	I		4699	00000		336
249.387-018	PEDIGREE TRACER	3	2	3	3	S46	I	01.0502	4783	61900	40066898	376
249.387-022	READER	3	1	3	4	S6	I		4799	61900	40066898	389
249.587-010	BOARD ATTENDANT	3	2	2	2	L2	I		4699	61900	40066898	336
249.587-014	CUTTER-AND-PASTER, PRESS CLIPPINGS	2	1	1	2	S4	I		4799	61900	40066898	389
910.137-038	STATION AGENT 1	4	3	4	6	L45	I	08.1103	4514	61431	40066401	303

PROGRAM: 07.0706 MAIL AND ORDER CLERK.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO PROCESS INCOMING AND OUTGOING MAIL FOR DISTRIBUTION BY STAMPING, SORTING, ADDRESSING AND READDRESSING, EXAMINING, WEIGHING, AND SEALING CORRESPONDENCE AND KEEPING RECORDS OF REGISTERED OR INTEROFFICE MAIL; PROCESS ORDERS FOR MATERIALS OR MERCHANDISE RECEIVED BY PHONE, MAIL, OR MESSENGER; ROUTE ORDERS TO SPECIFIED DEPARTMENTS; INFORM CUSTOMERS OF INFORMATION RELATED TO THE ORDER; ASSIST IN THE PREPARATION OF WRITTEN CONTRACTS, INVOICES, AND BILLS OF LADING; HANDLE SERVICE ORDERS AND COMPLAINTS; AND COMPUTE PRICE, DISCOUNT, COMMISSION, AND SHIPPING CHARGES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
169.167-038	ORDER-DEPARTMENT SUPERVISOR	4	3	4	7	S5	I		1490	19000	20061699	037
208.462-010	MAILING-MACHINE OPERATOR	4	2	3	5	M46	I5		4723	61343	40063402	346
208.582-010	ADDRESSING-MACHINE OPERATOR	3	2	2	4	L4	I		4723	61101	40041400	346
208.582-014	EMBOSSING-MACHINE OPERATOR 1	3	1	2	4	L46	I	07.0704	4729	61199	40041400	347
208.682-010	EMBOSSING-MACHINE OPERATOR 2	3	1	2	4	L46	I	07.0704	4729	61199	40041400	347
208.685-014	FOLDING-MACHINE OPERATOR	2	1	1	2	L4	I	07.0704	4723	61117	40041400	346
208.685-018	INSERTING-MACHINE OPERATOR	2	1	2	2	L4	I		4723	61117	40041400	346
208.685-026	SEALING-AND-CANCELING-MACHINE OPERATOR	2	2	2	2	L4	I		4723	59003	80002899	346
208.685-034	WING-MAILER-MACHINE OPERATOR	2	1	1	2	L4	I		4723	61199	40041400	346
209.137-010	MAILROOM SUPERVISOR	4	3	4	6	L5	I		4522	61396	40061200	307
209.362-010	CIRCULATION CLERK	3	2	3	3	S46	I	07.0705	4699	61416	40061605	336
209.387-018	CONTACT CLERK	3	2	3	4	S456	I		4664	61900	40066898	327
209.562-014	TRUST-MAIL CLERK	3	2	3	4	S45	I		4744	61343	40063402	356
209.587-010	ADDRESSER	2	1	2	2	S4	I	07.0705	4799	61900	40066898	389
209.587-018	DIRECT-MAIL CLERK	3	1	2	4	L4	I	07.0206	4744	61343	40063402	356
209.587-026	MAIL CLERK	3	1	2	2	L46	I		4744	61343	40063402	356
209.587-038	REGISTERED-MAIL CLERK	3	1	2	3	L4	I		4744	61343	40063402	356
209.687-014	MAIL HANDLER	3	2	2	4	L46	I		4742	61427	40064200	354
219.387-010	ASSIGNMENT CLERK	3	3	3	4	S6	I		4699	61900	40066898	336
221.367-022	INDUSTRIAL-ORDER CLERK	4	3	4	4	S46	I		4757	61350	40061604	369
221.367-070	SERVICE CLERK	3	2	2	4	S45	I		4751	61373	40066824	359
221.367-082	WORK-ORDER-SORTING CLERK	3	2	3	5	S45	I		4751	62003	40062400	359
221.382-022	REPAIR-ORDER CLERK	3	3	3	3	S46	I		4752	61350	40061604	363
221.387-014	COMPLAINT CLERK	3	1	3	4	L4	I		4758	61313	40062208	373
221.387-030	JACKET PREPARER	3	2	3	3	S4	I		4752	62003	40062400	363
222.137-022	MAILROOM SUPERVISOR	4	2	3	7	L6	I	07.0401	4522	61396	40061200	307
222.367-022	EXPRESS CLERK	3	3	3	4	M45	I		4753	61343	40063402	364
222.387-038	PARCEL-POST CLERK	3	2	3	4	M46	I		4744	61343	40063402	356
222.567-018	SLOT-TAG INSERTER	2	2	2	2	L4	I5		4744	61343	40063402	356
222.587-030	MAILER	2	2	2	3	L4	I		4744	55T31	61089097	356
222.587-032	MAILER APPRENTICE	2	2	2	3	L4	I		4744	55T31	61089097	356
230.137-018	SUPERVISOR, MAIL CARRIERS	4	3	4	6	L5	I		4524	61396	40061200	307
230.363-010	RURAL-MAIL CARRIER	3	3	2	2	L46	B		4743	62032	40063200	355
239.137-014	CUSTOMER-SERVICE REPRESENTATIVE SUPERVIS	4	2	3	6	S45	I	07.0401	4516	61396	40061200	303
239.367-010	CUSTOMER-SERVICE REPRESENTATIVE	3	2	3	5	S5	I	08.0203	4664	61435	40066808	327
239.367-018	MAIL-DISTRIBUTION-SCHEME EXAMINER	4	2	4	5	S5	I		4742	61427	40064200	354
241.267-026	DEPOSIT CLERK	4	3	4	6	S5	I		4716	61900	40066898	343
243.137-010	SUPERVISOR, MAILS	4	2	3	6	L5	I		4522	61396	40061200	307
243.367-010	MAIL CENSOR	4	2	3	5	S6	I		4744	61343	40063402	356
243.367-014	POST-OFFICE CLERK	3	3	3	4	L456	I		4742	61427	40064200	354

*** PROGRAM: 07.0706 MAIL AND ORDER CLERK. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES CODE	FOURTH EDITION TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
245.367-026	ORDER-CONTROL CLERK, BLOOD BANK	3	2	3	3	S5	I	07.0605	4664	61350	40061604	327
247.137-014	SUPERVISOR, CLASSIFIED ADVERTISING	4	3	4	6	L5	I	07.0401 09.0201	4516	61396	40061200	303
247.367-010	CLASSIFIED-AD CLERK 1	3	2	3	5	S45	I	09.0201	4662	61419	40061607	325
247.382-010	MEDIA CLERK	4	3	3	5	S46	I	09.0201	4699	61329	40066809	336
247.387-010	ADVERTISING CLERK	3	2	2	4	S46	I	09.0201	4756	61900	40066898	368
249.137-014	SUPERVISOR, CONTACT AND SERVICE CLERKS	4	2	4	7	S56	I	07.0401	4516	61396	40061200	303
249.137-022	SUPERVISOR, CUSTOMER RECORDS DIVISION	4	3	4	7	S5	I	07.0401	4516	61396	40061200	303
249.137-026	SUPERVISOR, ORDER TAKERS	4	3	4	5	S45	I	07.0401	4516	61396	40061200	303
249.362-010	COUNTER CLERK	4	2	4	5	L45	I		4363	61378	40061609	275
249.367-054	ORDER CLERK	3	3	3	4	S5	I	08.0707	4664	61350	40061604	327
249.687-010	OFFICE COPY SELECTOR	3	1	2	3	L46	I		4744	61343	40063402	356
295.367-018	FILM-RENTAL CLERK	4	3	4	5	L45	I	08.0203	4664	62900	40066899	327
959.137-018	ORDER DISPATCHER, CHIEF	4	2	3	6	S45	I	07.0401	4525	61396	40061200	307
976.567-010	FILM-REPLACEMENT ORDERER	3	2	3	3	L46	I		4664	61355	40065402	327

PROGRAM: 07.0707 RECEPTIONIST AND COMMUNICATION SYSTEMS OPERATION.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ANSWER TELEPHONE AND INFORMATION REQUESTS, KEEP RECORDS OF CALLERS, MAKE APPOINTMENTS, INTERVIEW PEOPLE TO SECURE REQUIRED DATA, AND MAKE TRAVEL RESERVATIONS AND TO OPERATE TELEPHONE SWITCHBOARDS AND SIMILAR EQUIPMENT, RELAY INCOMING AND INTEROFFICE CALLS, ESTABLISH CONNECTIONS BETWEEN SUBSCRIBERS, SUPPLY INFORMATION, CALCULATE CHARGES, AND OPERATE TELEGRAPH AND SIMILAR EQUIPMENT FOR TRANSMITTING AND RECEIVING MESSAGES.

DICTIONARY OF OCCUPATIONAL TITLES CODE	FOURTH EDITION TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
000.000-000									4732	61377	40064803	348
168.267-038	ELIGIBILITY-AND-OCCUPANCY INTERVIEWER	4	3	4	5	L5	I		4784	25503	10243404	377
203.132-010	SUPERVISOR, TELEGRAPHIC-TYPEWRITER OPERA	4	2	4	7	L5	I	07.0401	4523	61396	40061200	306
203.562-010	WIRES-TRANSFER CLERK	3	3	3	4	S45	I		4733	61429	40066000	349
203.582-050	TELEGRAPHIC-TYPEWRITER OPERATOR	3	2	3	4	S46	I		4733	61429	40066000	349
205.137-010	ADMITTING OFFICER	4	2	3	7	S5	I	07.0605	4514	61396	40061200	303
205.137-014	SUPERVISOR, SURVEY WORKERS	4	3	3	6	L5	I	07.0401	4514	61396	40061200	303
205.362-018	HOSPITAL-ADMITTING CLERK	3	2	3	6	S45	I	07.0605	4642	61337	40066898	316
205.362-030	OUTPATIENT-ADMITTING CLERK	3	2	3	4	S456	I	07.0605	4642	61337	40066898	316
205.367-030	ELECTION CLERK	3	2	2	2	S56	I		4699	61900	40066898	336
205.367-038	REGISTRAR	3	2	3	5	L45	B		4645	61361	40064802	319
205.367-042	REGISTRATION CLERK	3	2	3	3	S5	I		4642	61337	40066898	316
209.367-034	LOST-CHARGE-CARD CLERK	3	2	3	3	S5	I		4783	61900	40066898	376
215.563-010	CALLER	2	[illegible]	2	2	L456	I		4745	61900	40066898	357
221.362-014	DISPATCHER, RELAY	3	3	3	5	S45	I		4739	55A92	50144023	353
230.137-014	SUPERVISOR, DELIVERY DEPARTMENT	4	2	3	6	L5	I	07.0401	4525	61396	40061200	307
230.667-010	DELIVERER, OUTSIDE	2	1	2	2	L4	O		4745	61380	40063602	357
235.132-010	CENTRAL-OFFICE-OPERATOR SUPERVISOR	4	2	3	6	L5	I	07.0401	4523	61396	40061200	306

*** PROGRAM: 07.0707 RECEPTIONIST AND COMMUNICATION SYSTEMS OPERATION. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
235.132-014	COMMUNICATION-CENTER COORDINATOR	4	3	4	5	S456	I	07.0401	4523	61396	40061200	306
235.137-010	TELEPHONE OPERATOR, CHIEF	4	2	3	6	L5	I		4523	61396	40061200	306
235.222-010	PRIVATE-BRANCH-EXCHANGE SERVICE ADVISER	4	2	4	6	L45	I		2390	61354	40066204	159
235.387-010	RADIO-MESSAGE ROUTER	3	1	3	5	S4	I		4699	61900	40066898	336
235.462-010	CENTRAL-OFFICE OPERATOR	3	1	3	3	L45	I		4732	61430	40066202	348
235.562-010	CLERK, ROUTE	3	2	3	4	S4	I		4732	61900	40066898	348
235.562-014	SWITCHBOARD OPERATOR, POLICE DISTRICT	3	1	2	4	L45	I		4732	61376	40066201	348
235.662-014	COMMUNICATION-CENTER OPERATOR	3	2	3	5	S456	I5		4732	61376	40066201	348
235.662-018	DIRECTORY-ASSISTANCE OPERATOR	3	2	3	3	S45	I		4732	61428	40066203	348
235.662-022	TELEPHONE OPERATOR	3	2	3	3	S456	I		4732	61376	40066201	348
235.662-026	TELEPHONE-ANSWERING-SERVICE OPERATOR	3	2	3	3	S45	I		4739	61376	40066201	353
236.562-010	TELEGRAPHER	4	3	3	4	S456	I		4733	61429	40066000	349
236.562-014	TELEGRAPHER AGENT	3	2	3	5	S45	I		4733	61429	40066000	349
237.137-010	SUPERVISOR, TELEPHONE INFORMATION	4	3	4	7	S56	I45	07.0401	4514	61396	40061200	303
237.137-014	SUPERVISOR, TRAVEL-INFORMATION CENTER	4	3	4	6	L456	I7	06.0705 07.0401 08.1104 08.1105	4514	61396	40061200	303
237.267-010	INFORMATION CLERK, AUTOMOBILE CLUB	4	3	4	5	S456	I	08.1104	4649	61390	40064804	323
237.367-010	APPOINTMENT CLERK	3	2	3	3	S5	I		4645	61361	40064802	319
237.367-014	CALL-OUT OPERATOR	3	2	3	2	S5	I	07.0705	4699	61309	40066804	336
237.367-018	INFORMATION CLERK	4	2	3	2	L45	I		4649	61337	40066898	323
237.367-022	INFORMATION CLERK	4	2	3	4	S45	I		4645	61337	40066898	319
237.367-034	PAY-STATION ATTENDANT	3	2	3	5	L45	I		4649	61900	40066898	323
237.367-038	RECEPTIONIST	3	2	3	5	S45	I		4645	61361	40064802	319
237.367-042	REFERRAL-AND-INFORMATION AIDE	3	2	3	3	S456	I		4649	61337	40066898	323
237.367-046	TELEPHONE-QUOTATION CLERK	3	2	3	2	S45	I		4649	61337	40066898	323
237.367-050	TOURIST-INFORMATION ASSISTANT	4	3	4	6	S45	I	08.1104	4649	61391	40066898	323
238.137-014	SENIOR RESERVATIONS AGENT	4	3	3	6	L456	I	07.0401 08.1105	4514	61396	40061200	303
238.167-010	TRAVEL CLERK	4	3	4	7	S45	I	08.1105	4644	61391	40066898	318
238.167-014	TRAVEL COUNSELOR, AUTOMOBILE CLUB	4	4	3	5	S45	I	08.1104	4644	61390	40064804	318
238.362-010	HOTEL CLERK	3	3	3	4	L5	I	08.0902	4643	61335	40061603	317
238.367-022	SPACE SCHEDULER	4	2	3	4	S6	I	08.0203	4649	61900	40066898	323
238.367-026	TICKET AGENT	4	3	4	5	L45	I	08.1105	4644	61383	40066405	318
239.132-010	SUPERVISOR, TELEPHONE CLERKS	4	2	4	5	L5	I	07.0401	4524	61396	40061200	307
239.137-022	SERVICE OBSERVER, CHIEF	4	2	4	7	L5	I	07.0401	4523	61396	40061200	306
239.137-026	SUPERVISOR, PUBLIC MESSAGE SERVICE	4	3	4	7	S46	I	07.0401	4524	61396	40061200	307
239.362-010	TELEPHONE CLERK, TELEGRAPH OFFICE	3	2	3	3	S45	I		4732	61380	40063602	348
239.367-022	RECEIVER-DISPATCHER	3	2	3	4	L45	I		4664	62018	40061804	327
239.367-026	SERVICE OBSERVER	4	2	4	4	L4	I		4739	61370	40066205	353
249.367-042	GAS-DISTRIBUTION-AND-EMERGENCY CLERK	4	3	3	6	S456	I		4664	61900	40066898	327
379.162-010	ALARM OPERATOR	4	3	4	6	S456	I		4739	62025	40061803	353
379.362-010	DISPATCHER, RADIO	3	2	3	4	S45	I		4751	62025	40061803	359
379.362-014	PROTECTIVE-SIGNAL OPERATOR	3	2	3	5	S456	I		4739	44027	40066831	353
939.362-010	DISPATCHER, OIL WELL SERVICES	3	3	3	5	S45	I	47.0305	4751	62018	40061804	359

PROGRAM: 07.0708 SHIPPING, RECEIVING, AND STOCK CLERK.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ASSEMBLE, PACK, ADDRESS, STAMP, AND RECORD DATA ON OUTGOING MERCHANDISE AND MATERIALS; RECEIVE, UNPACK, VERIFY CONTENTS, AND RECORD DATA ON INCOMING MERCHANDISE AND MATERIALS; MAKE LOADING AND UNLOADING ARRANGEMENTS; STORE AND ISSUE SUPPLIES, MATERIALS, AND EQUIPMENT; MAINTAIN INVENTORIES; REQUISTION STOCK; KEEP RECORDS AND PREPARE STOCK AND INVENTORY REPORTS.

DICTIONARY OF OCCUPATIONAL TITLES CODE	FOURTH EDITION TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
216.567-010	TICKET MARKER	3	2	3	3	L4	I		4759	62024	40066899	374
219.367-018	MERCHANDISE DISTRIBUTOR	3	2	2	3	L46	I	08.0705	4754	62008	40065404	365
219.367-022	PAPER-CONTROL CLERK	3	3	3	5	S46	I		4753	62900	40066899	364
219.367-030	SHIPPING-ORDER CLERK	3	2	3	4	L45	I		4753	62005	40065001	364
219.367-034	STOCK-CONTROL CLERK	4	3	3	5	L46	I	08.0705 08.0904	4754	62008	40065404	365
219.387-026	SPACE-AND-STORAGE CLERK	3	2	2	3	L4	I		4754	62008	40065404	365
221.367-018	FOLLOW-UP CLERK	4	3	3	6	M34	I		4752	62900	40066899	363
221.367-050	RECORDER	3	3	3	5	M5	I35		4752	62003	40062400	363
221.387-026	EXPEDITER CLERK	3	2	3	3	L4	I		4758	62003	40062400	373
221.387-050	PRODUCTION ASSISTANT	3	3	3	4	L4	I		4752	62900	40066899	363
221.587-010	CHECKER	2	1	2	2	L4	I		4756	62900	40066899	368
221.587-018	ODD-PIECE CHECKER	2	1	2	2	L4	I		4754	62003	40062400	365
221.587-022	OUTSOLE SCHEDULER	2	1	2	2	L4	I		4754	62900	40066899	365
221.587-030	TALLIER	3	2	2	2	L46	B		4756	62030 62900	40065215 40066899	368
221.587-034	TARE WEIGHER	2	2	2	3	M34	I		4756	62007	40066600	368
222.137-010	FILM-VAULT SUPERVISOR	4	3	3	7	L45	I	07.0401	4525	61396	40061200	307
222.137-018	MAGAZINE SUPERVISOR	4	2	3	6	L5	I	07.0401	4525	61396	40061200	307
222.137-030	SHIPPING-AND-RECEIVING SUPERVISOR	4	3	4	6	L456	I	07.0401	4525	61396	40061200	307
222.137-034	STOCK SUPERVISOR	4	3	3	6	L5	I	07.0401 08.0904	4525	61396	40061200	307
222.137-038	STOCK-CONTROL SUPERVISOR	4	3	3	6	L45	I	07.0401 08.0904	4525	61396	40061200	307
222.137-042	SUPERVISOR, ASSEMBLY STOCK	4	2	3	6	L5	I	07.0401	4525	61396	40061200	307
222.137-046	TOOL-CRIB SUPERVISOR	4	3	3	6	L5	I	07.0401	4525	61396	40061200	307
222.367-010	CARGO CHECKER	3	2	2	4	L46	I		4756	62005	40065001	368
222.367-026	FILM-OR-TAPE LIBRARIAN	3	2	3	5	L456	I		4754	62008	40065404	365
222.367-034	LOST-AND-FOUND CLERK	3	2	2	3	L45	I		4759	62008	40065404	374
222.367-038	MAGAZINE KEEPER	3	2	2	5	M34	I6		4754	62008	40065404	365
222.367-042	PARTS CLERK	3	2	2	5	H23456	I	08.1203	4754	62008	40065404	365
222.367-058	SHIPPING-AND-RECEIVING WEIGHER	3	2	2	2	L4	I		4756	62007	40066600	368
222.367-062	TOOL-CRIB ATTENDANT	3	2	2	5	L34	I		4754	62008	40065404	365
222.367-066	TRUCKLOAD CHECKER	3	2	3	3	L4	B5		4754	62005	40065001	365
222.387-014	CAR CHECKER	3	2	3	2	L4	O		4753	62005	40065001	364
222.387-018	FUEL-OIL CLERK	3	3	2	7	S45	I		4753	62005	40065001	364
222.387-026	INVENTORY CLERK	3	3	3	4	L46	I		4754	62008	40065404	365
222.387-030	LINEN-ROOM ATTENDANT	3	2	2	3	L4	I	20.0605	4754	62008	40065404	365
222.387-034	MATERIAL CLERK	3	3	2	5	L4	I		4754	62008	40065404	365
222.387-042	PROPERTY CUSTODIAN	3	3	2	5	L46	I		4754	62008	40065404	365
222.387-046	RETURNED-TELEPHONE-EQUIPMENT APPRAISER	3	3	2	5	L4	I		4757	55858	50142202	369
222.387-050	SHIPPING AND RECEIVING CLERK	3	3	2	5	M46	I		4753	62005	40065001	364
222.387-058	STOCK CLERK	3	3	2	4	H34	I	20.0406	4754	62008	40065404	365

*** PROGRAM: 07.0708 SHIPPING, RECEIVING, AND STOCK CLERK. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
222.387-062	STOREKEEPER	3	3	2	5	L4	I		4754	62008	40065404	365
222.487-014	ORDER FILLER	3	2	2	3	L4	I	08.0705	4734	55C08	80002001	365
222.567-010	GRAIN ELEVATOR CLERK	3	2	2	4	L46	I7		4753	62005	40065001	364
222.567-014	SHIP RUNNER	3	2	2	4	L34	I		4753	62005	40065001	364
222.587-014	BRAILLE-AND-TALKING BOOKS CLERK	3	2	3	3	L46	I		4753	61339	40063000	364
222.587-018	DISTRIBUTING CLERK	3	2	3	3	L4	I		4753	62004	40065002	364
222.587-022	KITCHEN CLERK	3	2	2	4	M346	I		4754	62008	40065404	365
222.587-026	LABORATORY CLERK	3	2	2	3	L4	I		4759	61900	40066898	374
222.587-034	ROUTE-DELIVERY CLERK	2	2	2	3	L46	B		4753	62005	40065001	364
222.587-038	ROUTER	2	1	2	2	L4	I		4759	62005	40065001	374
222.587-050	SWATCH CLERK	2	2	2	2	L4	I		4754	62900	40066899	365
222.587-054	TRANSFORMER-STOCK CLERK	3	2	2	3	M4	I		4753	62008	40065404	364
222.587-058	VAULT WORKER	3	2	2	3	M34	I		4753	62005	40065001	364
222.687-018	RECEIVING CHECKER	3	2	3	3	M34	I	08.0705	4756	62005	40065001	368
222.687-022	ROUTING CLERK	2	2	2	2	L46	I		4753	59003	80002899	364
										62019	40063401	
222.687-030	SHIPPING CHECKER	3	3	2	4	L46	I		4756	62005	40065001	368
229.137-010	SACK-DEPARTMENT SUPERVISOR	4	3	2	6	L5	I	07.0401	4525	61396	40061200	307
229.267-010	PARTS CATALOGER	4	3	4	6	S46	I		4759	62008	40065404	374
229.367-014	PARTS LISTER	3	3	3	4	L4	I		4754	62008	40065404	365
229.587-014	QUALITY-CONTROL CLERK	3	2	3	3	L4	I		4754	62008	40065404	365
248.362-010	INCOMING-FREIGHT CLERK	3	3	3	5	L4	I		4753	62005	40065001	364
248.367-014	BOOKING CLERK	3	2	2	5	S45	I		4753	62005	40065001	364
248.367-018	CARGO AGENT	3	3	3	5	M45	I	08.1102	4753	62015	40066404	364
248.367-022	CONTAINER COORDINATOR	4	3	3	6	S5	I		4753	62003	40062400	364
249.367-026	CREDIT-CARD-CONTROL CLERK	3	2	2	3	S46	I		4754	61900	40066898	365
249.367-058	PARTS-ORDER-AND-STOCK CLERK	3	2	2	5	L45	I		4754	62008	40065404	365
249.367-066	PROCUREMENT CLERK	4	3	3	4	S45	I		4754	61355	40065402	365
339.687-010	SUPPLY CLERK	2	2	1	3	L4	I4	12.0403	4754	62008	40065404	365
381.687-010	CENTRAL-SUPPLY WORKER	2	1	2	3	L46	I	17.0502	4754	62900	40066899	365
920.687-162	SHIPPING PROCESSOR	2	1	2	2	M4	I		8761	62004	40065002	888

PROGRAM: 07.0709 TRAFFIC, RATE, AND TRANSPORTATION CLERK. AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO CALCULATE AND COMPILE FREIGHT RATES, PASSENGER FARES, AND OTHER CHARGES FOR TRANSPORTATION SERVICES FROM RATE TABLES AND TARIFF SCHEDULES; UTILIZE MAPS TO SELECT, LAY OUT, AND MEASURE TRAVEL ROUTES; CALCULATE TOTAL FREIGHT, STORAGE, REDELIVERY, AND RECONSIGNMENT CHARGES; AND ANSWER INQUIRIES FROM SHIPPERS CONCERNING RATES, ROUTING, PACKING, AND PROCEDURES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
209.367-042	RECONSIGNMENT CLERK	3	3	3	4	S45	I		4753	62005	40065001	364
209.367-054	YARD CLERK	3	2	2	3	S4	I		4754	62036	40065405	365
214.267-010	RATE ANALYST, FREIGHT	6	4	4	6	S456	I		4716	62035	40066838	343
214.362-010	DEMURRAGE CLERK	3	3	3	5	S456	I		4715	62035	40066838	339
214.362-034	TARIFF INSPECTOR	4	4	4	5	L56	I		4783	61900	40066898	376
214.362-038	TRAFFIC-RATE CLERK	4	3	3	5	S46	I		4716	62035 62900	40066838 40066899	343
214.382-022	INTERLINE CLERK	4	3	3	5	S46	I		4718	62035 62900	40066838 40066899	344
214.382-026	REVISING CLERK	3	3	3	4	S4	I		4716	62035	40066838	343
214.387-018	SERVICES CLERK	4	3	3	5	S46	I		4716	61301	40060601	343
214.462-010	ACCOUNTS-ADJUSTABLE CLERK	3	3	3	3	S4	I		4718	62035	40066838	344
214.587-014	TRAFFIC CLERK	3	3	2	4	S4	I		4753	61386	40066826	364
248.137-010	BOOKING SUPERVISOR	4	3	3	6	L45	I	07.0401 08.1102	4525	61396	40061200	307
248.137-014	PURCHASING-AND-CLAIMS SUPERVISOR	4	3	4	6	S5	I	06.0705 07.0401	4529	61396	40061200	303
248.367-010	AIRPLANE-DISPATCH CLERK	4	3	4	5	L56	I		4752	62012	40061801	363
248.367-026	DISPATCHER, SHIP PILOT	3	3	3	4	S5	I		4751	62900	40066899	359
248.387-014	TONNAGE-COMPILATION CLERK	4	3	3	5	S4	I		4712	61900	40066898	337
249.167-014	DISPATCHER, MOTOR VEHICLE	3	2	3	5	S5	I	08.1103	4751	62010	40065214	359
249.367-070	ROUTING CLERK	3	2	3	3	S456	I		4664	62018	40061804	327
912.367-014	TRANSPORTATION AGENT	3	3	3	5	L45	B5	08.1103	4758	62015	40066404	373

PROGRAM: 07.0710 TYPING.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO RECORD DATA BY MEANS OF A TYPEWRITER OR SIMILAR DEVICE. INCLUDES INSTRUCTION IN TYPING LETTERS, REPORTS, STENCILS, FORMS, ADDRESSES, AND OTHER STRAIGHT-COPY MATERIALS FROM ROUGH DRAFT OR CORRECTED COPY, PROOFREADING MATERIALS TYPED, AND USING DUPLICATING MATERIALS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
203.137-014	TYPING SECTION CHIEF	4	2	3	6	L45	I		4513	61396	40061200	303
203.382-010	BORDEREAU CLERK	3	2	3	4	S46	I	07.0203	4624	61392	40020600	315
203.382-026	VARITYPE OPERATOR	3	2	3	5	S46	I	48.0205	4793	55D60	50100400	385
203.582-014	BRAILLE TYPIST	4	1	3	5	S46	I		4799	61392	40020600	389
203.582-066	TYPIST	3	2	3	3	S46	I		4624	61392	40020600	315
209.367-014	BRAILLE PROOFREADER	4	1	4	5	S456	I		4792	61433	40064411	384
209.382-010	CONTINUITY CLERK	3	1	3	5	S456	I		4624	61900	40066898	315
209.387-030	PROOFREADER	4	1	4	5	L46	I	48.0205	4792	55T15	40064410	384
209.667-010	COPY HOLDER	4	1	4	4	S56	I	48.0205	4792	55T15	40064410	384
209.687-010	CHECKER 2	3	2	2	4	S46	I	07.0705	4712	61900	40066898	337
247.667-010	PRODUCTION PROOFREADER	3	2	3	4	S6	I	48.0205	4792	55T15	40064410	384

PROGRAM: 07.0799 TYPING, GENERAL OFFICE, AND RELATED PROGRAMS, OTHER.

ANY INSTRUCTIONAL PROGRAM IN TYPING, GENERAL OFFICE, AND RELATED PROGRAMS NOT DESCRIBED ABOVE.

PROGRAM: 07.9900 BUSINESS AND OFFICE, OTHER.

A GROUP OF INSTRUCTIONAL PROGRAMS IN BUSINESS AND OFFICE NOT DESCRIBED ABOVE.

PROGRAM: 07.9999 BUSINESS AND OFFICE, OTHER.

ANY INSTRUCTIONAL PROGRAM IN BUSINESS AND OFFICE NOT DESCRIBED ABOVE.

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PROGRAM AREA: HEALTH OCCUPATIONS EDUCATION.

HEALTH OCCUPATIONS EDUCATION COMPRISES THE BODY OF SUBJECT MATTER AND PLANNED LEARNING EXPERIENCES DESIGNED TO PREPARE PERSONS FOR OCCUPATIONS IN THE HEALTH FIELD WHICH ARE SUPPORTIVE TO THE HEALTH PROFESSIONALS. PROGRAMS ARE DESIGNED TO PREPARE PERSONS WITH COMPETENCIES TO ASSIST QUALIFIED HEALTH PROFESSIONALS IN PROVIDING DIAGNOSTIC, THERAPEUTIC, PREVENTATIVE, RESTORATIVE AND REHABILITATIVE SERVICES TO PATIENTS IN HEALTH CARE FACILITIES, IN THE HOME, AND IN THE COMMUNITY.

HEALTH OCCUPATIONS EDUCATION PROGRAMS WHICH PREPARE PERSONS TO RENDER DIRECT OR INDIRECT HEALTH SERVICES TO PATIENTS PROVIDE PLANNED INSTRUCTION AND SUPERVISED LEARNING EXPERIENCES IN APPROPRIATE CLINICAL SETTINGS. THE EDUCATIONAL PROGRAMS ARE CONDUCTED BY RECOGNIZED EDUCATIONAL AGENCIES USING THE CLINICAL FACILITIES OF APPROPRIATE HEALTH CARE INSTITUTIONS WHICH CAN MAKE AVAILABLE TO THE STUDENTS THE QUALITY EXPERIENCES REQUIRED FOR THEM TO DEVELOP THE COMPETENCIES NEEDED TO MEET THEIR OCCUPATIONAL OBJECTIVE.

TECHNIQUES FOR THE REGULATION OF WORKERS IN THE HEALTH OCCUPATIONS HAVE BEEN DEVELOPED AND ADMINISTERED, EITHER BY APPROPRIATE PROFESSIONAL ORGANIZATIONS OR BY LEGALLY CONSTITUTED AUTHORITY IN THE RESPECTIVE STATES, AS A MEANS OF SAFEGUARDIN THEG THE PUBLIC AGAIN THEST UNQUALIFIED AND/OR UNSCRUPULOUS PERSONS. THEREFORE, REGULATORY PROCEDURES SUCH AS LICENSURE, CERTIFICATION, AND/OR REGISTRATION IN CERTAIN OF THE HEALTH OCCUPATIONS HAVE BEEN ESTABLISHED.

VOCATIONAL STUDENT ORGANIZATION ACTIVITIES WHICH PROVIDE OPPORTUNITIES FOR STUDENTS ENROLLED IN HEALTH OCCUPATIONS PROGRAMS TO DEVELOP ADDITIONAL SKILLS, LEADERSHIP QUALITIES, AND UNDERSTANDING OF THE WORLD OF WORK, AND OF THE HEALTH FIELD IN PARTICULAR, ARE AN INTEGRAL PART OF THE HEALTH OCCUPATIONS PROGRAMS. THE ORGANIZATION WHICH IS SPECIFICALLY CONCERNED WITH HEALTH OCCUPATIONS STUDENT ACTIVITIES IS KNOWN AS HEALTH OCCUPATIONS STUDENTS OF AMERICA.

PROGRAM: 17.0000 ALLIED HEALTH SERVICES.

A SUMMARY OF GROUPS OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS TO ASSIST QUALIFIED HEALTH PROFESSIONALS IN PROVIDING DIAGNOSTIC, THERAPEUTIC, PREVENTATIVE, RESTORATIVE, AND REHABILITATIVE SERVICES TO PATIENTS IN HEALTH CARE FACILITIES, THE HOME, AND THE COMMUNITY.

PROGRAM: 17.0100 DENTAL SERVICES.

A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDVIDUALS TO PROVIDE SUPPORTIVE SERVICES TO THE DENTAL PROFESSION, INCLUDING PERFORMING DENTAL PROPHYLACTIC TREATMENTS, INSTRUCTING PERSONS IN THE CARE OF TEETH AND MOUTH, AND PRODUCING DENTURES AND RELATED APPLIANCES.

PROGRAM: 17.0101 DENTAL ASSISTING.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ASSIST A DENTIST AT THE CHAIRSIDE IN A DENTAL OPERATION, TO PERFORM RECEPTION FUNCTIONS, CLERICAL FUNCTIONS AND SELECTED DENTAL LABORATORY PROCEDURES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
079.371-010	DENTAL ASSISTANT	4 3 4	6	L4	I		5232	34003	10120401	445

PROGRAM: 17.0102 DENTAL HYGIENE.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO PROVIDE CHAIRSIDE SERVICES TO PATIENTS (SUCH AS PERFORMING COMPLETE ORAL PROPHYLAXIS AND APPLYING MEDICATION) AND TO PROVIDE DENTAL HEALTH EDUCATION SERVICES TO INDIVIDUALS AND COMMUNITY HEALTH PROGRAMS, UNDER THE SUPERVISION OF A DENTIST.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
078.361-010	DENTAL HYGIENIST	4	3	4	6	L456	I		3630	35001	10120402	204

PROGRAM: 17.0103 DENTAL LABORATORY TECHNOLOGY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO MAKE AND REPAIR RESTORATIVE APPLIANCES REQUIRED FOR THE ORAL HEALTH OF THE PATIENT, AS PRESCRIBED BY A DENTIST.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
187.167-090	MANAGER, DENTAL LABORATORY	5	4	4	7	L456	I		1359	35900	10121099	019
712.131-010	SUPERVISOR, DENTAL LABORATORY	4	3	4	7	L456	I		6700	55B29	50040003	633
712.281-010	DENTAL CERAMIST	3	3	3	6	S46	I		6865	55C62	50141200	678
712.381-014	CONTOUR WIRE SPECIALIST, DENTURE	4	3	3	7	S46	I		6865	55C62	50141200	678
712.381-018	DENTAL-LABORATORY TECHNICIAN	4	3	4	8	L46	I		6865	55C62	50141200	678
712.381-022	DENTAL-LABORATORY-TECHNICIAN APPRENTICE	4	3	4	8	L46	I		6865	55C62	50141200	678
712.381-026	ORTHODONTIC GOLD-BAND MAKER	3	2	2	6	L46	I		6865	55C62	50141200	678
712.381-030	ORTHODONTIC TECHNICIAN	4	3	4	6	S46	I		6865	55C62	50141200	678
712.664-010	DENTAL CERAMIST ASSISTANT	3	2	3	6	S46	I		8619	55C62	50141200	873
712.681-010	DENTURE WAXER	3	2	3	6	L46	I		7720	55C62	50141200	785
712.681-014	DENTURE-MODEL MAKER	3	2	3	5	L46	I		7720	55C62	50141200	785
712.681-018	FINISHER, DENTURE	3	2	3	5	L46	I		7720	55C62	50141200	785
712.684-014	BITE-BLOCK MAKER	3	1	1	4	L46	I		7720	55C62	50141200	785
712.684-030	OPAQUER	3	2	2	4	L46	I		7756	55C62	50141200	789
712.684-034	PACKER, DENTURE	3	2	3	5	L46	I		7754	55C62	50141200	787
712.687-038	TOOTH INSPECTOR	2	1	1	2	L46	I		7820	55B58	50142202	796

PROGRAM: 17.0199 DENTAL SERVICES, OTHER.

ANY INSTRUCTIONAL PROGRAM IN DENTAL SERVICES NOT DESCRIBED ABOVE.

PROGRAM: 17.0200 DIAGNOSTIC AND TREATMENT SERVICES.

A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS TO USE EQUIPMENT AND MEDICAL MATERIALS FOR DIAGNOSTIC AND THERAPEUTIC PURPOSES BY LEARNING TO APPLY ROENTGEN RAYS AND RADIOACTIVE SUBSTANCES; PREPARE AND ADMINISTER RADIOISOTOPES; OPERATE ELECTROCARDIOGRAPH, ELECTROENCEPHALOGRAPH, RESPIRATORY, OR DIALYSIS EQUIPMENT; PROVIDE TECHNICAL ASSISTANCE BEFORE, DURING, AND AFTER AN OPERATION; OR RENDER MEDICAL EMERGENCY TREATMENT IN A VARIETY OF SITUATIONS THAT DEMAND IMMEDIATE CARE, SUCH AS HEART ATTACKS, CHILDBIRTH, POISONS, BURNS AND SHOCK.

PROGRAM: 17.0201 CARDIOPULMONARY TECHNOLOGY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO PERFORM A WIDE RANGE OF TESTS RELATED TO THE FUNCTIONS AND THERAPEUTIC CARE OF THE HEART-LUNG SYSTEM, OPERATE AND MAINTAIN A HEART-LUNG MACHINE FOR EXTRA-CORPOREAL CIRCULATION, ASSIST IN CARDIAC CATHETERIZATION AND CARDIAC RESUSCITATION, AND ASSIST IN THE POST-OPERATIVE MONITORING, CARE, AND TREATMENT OF HEART-LUNG PATIENTS.

PROGRAM: 17.0202 DIALYSIS TECHNOLOGY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO PROVIDE DIALYSIS AND INTENSIVE CARE TO PATIENTS IN A RENAL SERVICE, INCLUDING CARDIAC MONITORING, RESPIRATORY THERAPY ISOLATION PROCEDURES, AND ADJUSTMENT AND MAINTENANCE OF DIALYSIS EQUIPMENT.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION										
CODE	TITLE	GED R M L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
078.362-014	DIALYSIS TECHNICIAN	4 3 3	6	L46	I		3690	35900	10121099	208

PROGRAM: 17.0203 ELECTROCARDIOGRAPH TECHNOLOGY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO OPERATE AND MAINTAIN AN ELECTROCARDIOGRAPH MACHINE TO RECORD ELECTROMOTIVE VARIATIONS IN THE ACTION OF THE PATIENT'S HEART MUSCLE. INCLUDES INSTRUCTION IN MAKING MINOR REPAIRS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION										
CODE	TITLE	GED R M L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
078.362-018	ELECTROCARDIOGRAPH TECHNICIAN	4 3 4	6	L46	I	17.0503 17.0804	3690	35011	10121006	208

PROGRAM: 17.0204 ELECTROENCEPHALOGRAPH TECHNOLOGY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO OPERATE AND MAINTAIN THE ELECTROENCEPHALOGRAPH TO MEASURE IMPULSE FREQUENCIES AND DIFFERENCES IN ELECTRICAL POTENTIAL BETWEEN THE VARIOUS AREAS OF THE BRAIN TO OBTAIN DATA FOR THE PHYSICIAN TO USE IN DIAGNOSING BRAIN DISORDERS. INCLUDES INSTRUCTION IN MAKING MINOR REPAIRS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION										
CODE	TITLE	GED R M L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
078.362-022	ELECTROENCEPHALOGRAPHIC TECHNOLOGIST	4 4 4	6	L456	I		3690	35012	10121007	208

PROGRAM: 17.0205 EMERGENCY MEDICAL TECHNOLOGY - AMBULANCE.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO FUNCTION AT THE EMERGENCY LEVEL TO TREAT VARIOUS CARDIOPULMONARY PROBLEMS, USING CARDIAC RESUSCITATION AND OTHER EMERGENCY EQUIPMENT; AIRWAY, FRACTURE, AND HEMORRHAGE MANAGEMENT, EMERGENCY CHILDBIRTH; AND SPECIAL CARE OF PATIENTS EXPOSED TO HEAT, COLD, RADIATION, OR CONTAGIOUS DISEASE. INCLUDES INSTRUCTION IN TECHNIQUES AND APPLICATION OF INTRAVENOUS FLUID THERAPY, PHARMACOLOGY, AND ANESTHETICS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
354.677-010	FIRST-AID ATTENDANT	3	2	3	3	L456	I	17.0206	5236	35013	10121008	447
355.374-010	AMBULANCE ATTENDANT	3	2	3	3	M234	I		5233	55V06	62002001	446

PROGRAM: 17.0206 EMERGENCY MEDICAL TECHNOLOGY - PARAMEDIC.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO PROVIDE PRE-HOSPITAL EMERGENCY MEDICAL CARE TO PATIENTS OF ALL AGES. INCLUDES KNOWLEDGE ABOUT THE ACUTE, CRITICAL DIFFERENCES IN PHYSIOLOGY, PATHOPHYSIOLOGY, OR CLINICAL SYMPTOMS SO THAT APPROPRIATE EMERGENCY ASSESSMENT AND TREATMENT CAN BE PROVIDED AND THE NECESSARY INFORMATION COMMUNICATED TO A RESPONSIBLE PHYSICIAN.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
079.374-010	EMERGENCY MEDICAL TECHNICIAN	4	3	4	5	M23456	B		3690	35013	10121008	208
354.677-010	FIRST-AID ATTENDANT	3	2	3	3	L456	I	17.0205	5236	35013	10121008	447

PROGRAM: 17.0207 MEDICAL RADIATION DOSIMETRY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO CALCULATE RADIATION DOSAGE IN THE TREATMENT OF MALIGNANT DISEASE AND PLAN THE DIRECTION OF RADIATION TO ITS TARGET IN THE SAFEST WAY.

PROGRAM: 17.0208 NUCLEAR MEDICAL TECHNOLOGY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO PREPARE AND ADMINISTER RADIOACTIVE ISOTOPES AND TO MEASURE GLANDULAR AND OTHER BODILY ACTIVITY IN THERAPEUTIC, DIAGNOSTIC, AND TRACER STUDIES, USING A VARIETY OF EQUIPMENT.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
078.361-018	NUCLEAR MEDICAL TECHNOLOGIST	5	4	5	7	L456	I6		3650	35018	10120804	206

PROGRAM: 17.0209 RADIOGRAPHIC MEDICAL TECHNOLOGY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO APPLY ROENTGEN RAYS AND RADIOACTIVE SUBSTANCES TO PATIENTS FOR DIAGNOSTIC AND THERAPEUTIC PURPOSES, UNDER THE SUPERVISION OF A RADIOLOGIST. INCLUDES INSTRUCTION IN ANATOMY, PHYSIOLOGY, RADIOGRAPHIC TECHNIQUES, RADIATION PROTECTION, EQUIPMENT MAINTENANCE, AND FILM PROCESSING AND DARKROOM TECHNIQUES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
078.362-026	RADIOLOGIC TECHNOLOGIST	5 4 5	6	M456	I6		3[illegible]50	34036 35018	10120801 10120804	206

PROGRAM: 17.0210 RESPIRATORY THERAPY TECHNOLOGY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO OPERATE AND MAINTAIN EQUIPMENT USED IN SUPPORTIVE RESPIRATORY FUNCTIONS (INCLUDING THE ADMINISTRATION OF OXYGEN AND OTHER THERAPEUTIC GASES AND MIST INHALATIONS) AS DIRECTED BY A PHYSICIAN, TO RESPOND TO EMERGENCY SITUATIONS AND TO PROVIDE TREATMENT TO PATIENTS WITH SEVERE RESPIRATORY DISORDERS WHICH REQUIRE INTENSIVE CARE. INCLUDES INSTRUCTION IN MAKING MINOR REPAIRS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
079.361-010	RESPIRATORY THERAPIST	4 3 3	6	L46	I7	17.0818	3031	25542	10101809	098

PROGRAM: 17.0211 SURGICAL TECHNOLOGY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO SERVE AS GENERAL TECHNICAL ASSISTANTS BEFORE, DURING, AND AFTER OPERATIONS. INCLUDES INSTRUCTION IN PRE-OPERATION PATIENT AND SURGICAL TEAM PREPARATION, SUPPLY INVENTORY MAINTENANCE, AND STERILIZATION AND CLEANING OF EQUIPMENT AND OPERATING ROOMS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
079.374-022	SURGICAL TECHNICIAN	4 4 3	6	L45	I7	17.0603	3690	34034	10121002	208

PROGRAM: 17.0212 ULTRASOUND TECHNOLOGY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO USE ACOUSTIC ENERGY FOR DIAGNOSIS, RESEARCH, AND THERAPY; OPERATE ULTRASOUND EQUIPMENT TO OBTAIN DIAGNOSTIC RESULTS, EVALUATE RESULTS FOR QUALITY OF TECHNIQUE; AND, IN EMERGENCY SITUATIONS, MAKE INTERIM REPORTS TO MEDICAL STAFF.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
078.364-010	ULTRASOUND TECHNOLOGIST	5 4 4	7	L456	I		3620	35900	10121099	203

PROGRAM: 17.0299 **DIAGNOSTIC AND TREATMENT SERVICES, OTHER.**

ANY INSTRUCTIONAL PROGRAM IN DIAGNOSTIC AND TREATMENT SERVICES NOT DESCRIBED ABOVE.

PROGRAM: 17.0300 **MEDICAL LABORATORY TECHNOLOGIES.**

A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS TO CARRY OUT TECHNICAL FUNCTIONS TO OBTAIN DATA FOR USE IN DIAGNOSIS, TREATMENT, AND CONTROL OF DISEASES, UNDER THE SUPERVISION OF MEDICAL SPECIALISTS. INCLUDES INSTRUCTION IN THE USE OF TECHNICAL EQUIPMENT AND THE ADMINISTRATION OF MEDICAL AND/OR CHEMICAL AGENTS.

PROGRAM: 17.0301 **BLOOD BANK TECHNOLOGY.**

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO WORK UNDER THE DIRECTION OF A PATHOLOGIST, PHYSICIAN, OR LABORATORY DIRECTOR TO COLLECT, CLASSIFY, STORE, AND PROCESS BLOOD INCLUDING SEPARATION OF COMPONENTS FROM WHOLE BLOOD, DETECTION AND IDENTIFICATION OF ANTIBODIES IN PATIENT AND DONOR BLOODS, AND SELECTION AND DELIVERY OF SUITABLE BLOOD FOR TRANSFUSION.

PROGRAM: 17.0302 **CHEMISTRY TECHNOLOGY.**

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO WORK UNDER THE SUPERVISION OF A PATHOLOGIST, PHYSICIAN, OR QUALIFIED SCIENTIST IN PERFORMING QUALITATIVE AND QUANTITATIVE CHEMICAL ANALYSES OF BODY FLUIDS AND EXUDATES, UTILIZING QUANTITATIVE EQUIPMENT AND A WIDE RANGE OF LABORATORY INSTRUMENTS, TO PROVIDE INFORMATION FOR DIAGNOSING AND TREATING DISEASE.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION		GED	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
CODE	TITLE	R M L								
078.261-010	CHEMISTRY TECHNOLOGIST	5 4 5	7	L46	I		3620	35003	10120202	203
078.361-014	MEDICAL TECHNOLOGIST	5 4 5	7	L46	I	17.0307	3620	35002	10120201	203
						17.0310				
078.381-010	MEDICAL-LABORATORY ASSISTANT	4 4 4	4	L46	I	17.0305	3690	35010	10120206	208
						17.0307				
						17.0309				
						17.0503				
078.381-014	MEDICAL-LABORATORY TECHNICIAN	5 4 5	5	L46	I	17.0307	3690	35010	10120206	208
								35015	10120207	
						17.0309	3690	35010	10120206	
								35015	10120207	

PROGRAM: 17.0303 CLINICAL ANIMAL TECHNOLOGY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO PROVIDE CARE AND TREATMENT TO LABORATORY ANIMALS IN HOSPITALS, VETERINARY CLINICS, AND RESEARCH LABORATORIES AND TO PERFORM TESTS AND PROCEDURES USED IN RESEARCH AND DIAGNOSIS, AS PRESCRIBED AND SUPERVISED BY PATHOLOGISTS OR OTHER QUALIFIED RESEARCH SCIENTISTS.

DICTIONARY OF OCCUPATIONAL TITLES CODE	FOURTH EDITION TITLE	GED R M L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
073.361-010	LABORATORY TECHNICIAN, VETERINARY	5 4 4	6	L46	I	01.0302 02.0203 02.0205 17.0501	3690	33002	10081899	208
410.674-010	ANIMAL CARETAKER	2 1 1	4	M46	I6	01.0302 01.0502 01.0504 17.0501	5624	55D14	80000200	487
410.674-010	ANIMAL CARETAKER	2 1 1	4	M46	I6	17.0511 17.0512	5624	55D14	80000200	487

PROGRAM: 17.0304 CLINICAL LABORATORY AIDE.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO PERFORM SIMPLE TASKS INVOLVED IN MAINTAINING CLEANLINESS AND ORDER IN THE CLINICAL LABORATORY. INCLUDES INSTRUCTION IN STERILIZATION OF EQUIPMENT, MAINTAINING SUPPLIES, MESSENGER SERVICE, AND RELATED DUTIES.

DICTIONARY OF OCCUPATIONAL TITLES CODE	FOURTH EDITION TITLE	GED R M L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
381.687-022	CLEANER, LABORATORY EQUIPMENT	2 2 1	2	M34	I47		5244	41900	70020600	453
599.585-010	STERILIZER	3 2 3	3	L346	I	17.0502	7679	55Q03	63000000	777

PROGRAM: 17.0305 CLINICAL LABORATORY ASSISTING.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO PERFORM ROUTINE CLINICAL LABORATORY PROCEDURES UNDER THE SUPERVISION OF MEDICAL LABORATORY TECHNICIANS, PATHOLOGISTS, OR OTHER PHYSICIANS.

DICTIONARY OF OCCUPATIONAL TITLES CODE	FOURTH EDITION TITLE	GED R M L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
078.381-010	MEDICAL-LABORATORY ASSISTANT	4 4 4	4	L46	I	17.0302 17.0307 17.0309 17.0503	3690	35010	10120206	208

PROGRAM: 17.0306 CYTOTECHNOLOGY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO STAIN, MOUNT, AND SCREEN SLIDES OF CELLS OF THE HUMAN BODY FOR DETERMINATION OF ABNORMALITIES SUCH AS EXFOLIATED CELLS, UNDER THE SUPERVISION OF A DOCTOR.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
078.281-010	CYTOTECHNOLOGIST	5 4 5	6	L456	I7		3620	35005	10120204	203

PROGRAM: 17.0307 HEMATOLOGY TECHNOLOGY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO WORK IN A HOSPITAL SETTING UNDER SUPERVISION OF A HEMATOLOGIST OR LABORATORY DIRECTOR, IN PERFORMING QUANTITATIVE, QUALITATIVE, AND COAGULATION TESTS ON CELLULAR AND PLASMA COMPONENTS OF BLOOD FOR USE IN THE DIAGNOSIS AND TREATMENT OF DISEASE.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
078.361-014	MEDICAL TECHNOLOGIST	5 4 5	7	L46	I	17.0302 17.0310	3620	35002	10120201	203
078.381-010	MEDICAL-LABORATORY ASSISTANT	4 4 4	4	L46	I	17.0302 17.0305 17.0309 17.0503	3690	35010	10120206	208
078.381-014	MEDICAL-LABORATORY TECHNICIAN	5 4 5	5	L46	I	17.0302	3690	35010 35015	10120206 10120207	208
						17.0309	3690	35010 35015	10120206 10120207	

PROGRAM: 17.0308 HISTOLOGIC TECHNOLOGY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO PREPARE, SECTION, AND STAIN TISSUE FOR MICROSCOPIC STUDY BY A PATHOLOGIST OR OTHER CLINICAL SCIENTIST.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
078.361-030	TISSUE TECHNOLOGIST	5 4 5	6	L46	I7		3620	35006	10120205	203

PROGRAM: 17.0309 MEDICAL LABORATORY TECHNOLOGY. AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO PERFORM BACTERIOLOGICAL, BIOLOGICAL, AND CHEMICAL TESTS TO PROVIDE DATA FOR DIAGNOSIS AND TREATMENT OF DISEASE, UNDER THE SUPERVISION OF PATHOLOGISTS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION										
CODE	TITLE	GED R M L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
078.381-010	MEDICAL-LABORATORY ASSISTANT	4 4 4	4	L46	I	17.0302 17.0305 17.0307 17.0503	3690	35010	10120206	208
078.381-014	MEDICAL-LABORATORY TECHNICIAN	5 4 5	5	L46	I	17.0302	3690	35010	10120206	208
078.381-014	MEDICAL-LABORATORY TECHNICIAN	5 4 5	5	L46	I	17.0302	3690	35015	10120207	208
						17.0307	3690	35010	10120206	
								35015	10120207	

PROGRAM: 17.0310 MEDICAL TECHNOLOGY. AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS AS HIGHLY SKILLED LABORATORY TECHNICIANS WITH A STRONG GENERALIST ORIENTATION AND AN ABILITY TO PERFORM COMPLEX AND SPECIALIZED PRODECURES IN ALL MAJOR AREAS OF THE CLINICAL LABORATORY. THE MEDICAL TECHNOLOGIST IS RESPONSIBLE FOR COMPLEX ANALYSIS REQUIRING THE EXERCISE OF INDIVIDUAL JUDGMENT AND MUST BE ABLE TO RELATE FINDINGS TO THE PRESENCE OR ABSENCE OF DISEASE. MAY SUPERVISE AND/OR TEACH LABORATORY PERSONNEL.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION										
CODE	TITLE	GED R M L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
078.361-014	MEDICAL TECHNOLOGIST	5 4 5	7	L46	I	17.0302 17.0307	3620	35002	10120201	203

PROGRAM: 17.0311 MICROBIOLOGY TECHNOLOGY. AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO WORK WITH A MINIMUM OF SUPERVISION BY A PATHOLOGIST, PHYSICIAN, OR LABORATORY DIRECTOR, IN PERFORMING BACTERIOLOGICAL, VIRAL, PARASITOLOGICAL, IMMUNOLOGIC, AND SEROLOGIC PROCEDURES IN A CLINICAL LABORATORY SETTING.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION										
CODE	TITLE	GED R M L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
078.261-014	MICROBIOLOGY TECHNOLOGIST	5 4 5	6	L46	I		3620	35004	10120203	203

PROGRAM: 17.0399 MEDICAL LABORATORY TECHNOLOGIES, OTHER. ANY INSTRUCTIONAL PROGRAM IN MEDICAL LABORATORY TECHNOLOGIES NOT DESCRIBED ABOVE.

PROGRAM: 17.0400 MENTAL HEALTH/HUMAN SERVICES.

A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS TO ASSIST NURSING AND MENTAL HEALTH PERSONNEL IN CARE AND TREATMENT OF THE MENTALLY ILL, AGED, DRUG ADDICTED, AND PHYSICALLY HANDICAPPED. INCLUDES INSTRUCTION IN NEW PATTERNS OF LIVING AND ADMINISTERING PRESCRIBED MEDICATION.

PROGRAM: 17.0401 ALCOHOL/DRUG ABUSE SPECIALTY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ADVISE AND ASSIST PEOPLE IN THEIR EFFORTS TO OVERCOME PERSONAL, FAMILY, AND SOCIAL PROBLEMS THAT ARE MANIFESTED IN ALCOHOLISM AND DRUG ADDICTION.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
195.164-010	GROUP WORKER	5 4 5	7	L45	B	20.0607	2032	25418	10243401	174
195.227-010	PROGRAM AIDE, GROUP WORK	5 3 4	6	L5	B	17.0405 20.0607	2032	25535	10243201	174
195.267-014	HUMAN RELATIONS OR DRUG AND ALCOHOL COUN	3 3 3	6	L45	I	17.0405	2032	25418	10243401	174
195.367-010	CASE AIDE	5 3 5	6	L5	I	17.0405	2032	44080	70083080	174

PROGRAM: 17.0402 COMMUNITY HEALTH WORK.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO SERVE AS LIAISON BETWEEN PROFESSIONAL HEALTH WORKERS AND THE RECIPIENTS OF HEALTH SERVICES IN THE COMMUNITY. INCLUDES INSTRUCTION IN THE BASIC UNDERSTANDING OF BIOLOGY, COMMUNICABLE DISEASES, ENVIRONMENTAL HEALTH, PERSONAL HYGIENE, CARE OF INFANTS, MEDICATIONS, AND FAMILY AND COMMUNITY SERVICES.

PROGRAM: 17.0403 GENETIC COUNSELING.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO COUNSEL CLIENTS AS TO THE ORIGIN, TRANSMISSION, AND DEVELOPMENT OF HEREDITARY CHARACTERISTICS AND THEIR RELATIONS TO BIRTH ABNORMALITIES.

PROGRAM: 17.0404 HOME HEALTH AIDE. AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ASSIST ELDERLY, CONVALESCENT, OR HANDICAPPED PATIENTS IN THEIR HOMES BY PROVIDING FOR PHYSICAL, MENTAL, EMOTIONAL, AND/OR SOCIAL HEALTH-CARE NEEDS, UNDER THE SUPERVISION OF A REGISTERED NURSE OR PHYSICIAN.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	DES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
354.377-014	HOME ATTENDANT	3	2	2	3	M456	B	17.0601 17.0602	5236	49000	70200099	447
354.377-014	HOME ATTENDANT	3	2	2	3	M456	B	20.0602	5236	49000	70200099	447
355.674-014	NURSE AIDE	3	2	2	4	M3456	I67	17.0405 17.0601 17.0602 17.0604	5236	44025	70061010	447
355.674-018	ORDERLY	3	2	3	4	M3456	I6	17.0405 17.0408 17.0601 17.0602 17.0604	5236	44025	70061010	447

PROGRAM: 17.0405 MENTAL HEALTH/HUMAN SERVICES ASSISTING. AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO PERFORM ROUTINE TASKS RELATED TO THE CARE, TREATMENT, AND REHABILITATIVE ACTIVITIES FOR THE AGED, CHEMICALLY DEPENDENT, MENTALLY ILL, OR MENTALLY HANDICAPPED, AS SUPERVISED BY A PHYSICIAN IN A HOSPITAL OR MENTAL HEALTH CLINIC.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	DES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
076.364-010	OCCUPATIONAL THERAPY ASSISTANT	4	3	4	6	M3456	I67	17.0803 17.0808	5233	44082	70060400	446
195.227-010	PROGRAM AIDE, GROUP WORK	5	3	4	6	L5	B	17.0401 20.0607	2032	25535	10243201	174
195.267-014	HUMAN RELATIONS OR DRUG AND ALCOHOL COUN	3	3	3	6	L45	I	17.0401	2032	25418	10243401	174
195.367-010	CASE AIDE	5	3	5	6	L5	I	17.0401	2032	44080	70083000	174
355.377-014	PSYCHIATRIC AIDE	3	2	3	4	M456	I	17.0408 17.0601 17.0602	5236	44028	70061011	447
355.674-014	NURSE AIDE	3	2	2	4	M3456	I67	17.0404 17.0601 17.0602 17.0604	5236	44025	70061010	447
355.674-018	ORDERLY	3	2	3	4	M3456	I6	17.0404 17.0408 17.0601 17.0602 17.0604	5236	44025	70061010	447
359.573-010	BLIND AIDE	3	2	2	3	L456	B	20.0204 20.0607	5263	49000	70200099	467

PROGRAM: 17.0406 MENTAL HEALTH/HUMAN SERVICES TECHNOLOGY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO PROVIDE AND/OR ASSIST IN TREATMENT, CARE, AND REHABILITATIVE ACTIVITIES FOR CLIENTS WHO ARE AGED, MENTALLY ILL, MENTALLY OR PHYSICALLY HANDICAPPED, OR CHEMICALLY DEPENDENT, UNDER THE SUPERVISION OF A PHYSICIAN. INCLUDES INSTRUCTION IN NEW PATTERNS OF LIVING AND ADMINISTERING MEDICATIONS.

PROGRAM: 17.0407 REHABILITATION COUNSELING.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO HELP DISABLED INDIVIDUALS BECOME AWARE OF AND SECURE REHABILITATION SERVICES DESIGNED TO FIT THE DISABLED PERSON FOR GAINFUL EMPLOYMENT, ASSIST IN JOB PLACEMENT AND CHECK ON JOB SATISFACTION AFTER EMPLOYMENT.

PROGRAM: 17.0408 THERAPEUTIC CHILD CARE WORK.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS, UNDER SUPERVISION, TO IMPLEMENT ACTIVITY AND TRAINING PROGRAMS WHICH PROVIDE A PREVENTIVE AND THERAPEUTIC ENVIRONMENT FOR MENTALLY ILL AND EMOTIONALLY DISTURBED CHILDREN AND ADOLESCENTS. TRAINS CHILDREN IN SELF-HELP SKILLS THROUGH INTENSIVE GROUP SESSIONS INVOLVING STRUCTURED DAILY ACTIVITIES AND REINFORCEMENT OF OTHER THERAPEUTIC EXPERIENCES; RECORDS, EVALUATES, AND REPORTS PROGRESS OF PATIENTS.

DICTIONARY OF OCCUPATIONAL TITLES CODE	FOURTH EDITION TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	D E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
355.377-014	PSYCHIATRIC AIDE	3	2	3	4	M456	I	17.0405 17.0601 17.0602	5236	44028	70061011	447
355.674-018	ORDERLY	3	2	3	4	M3456	I6	17.0404 17.0405 17.0601 17.0602 17.0604	5236	44025	70061010	447

PROGRAM: 17.0499 MENTAL HEALTH/HUMAN SERVICES, OTHER.

ANY INSTRUCTIONAL PROGRAM IN MENTAL HEALTH/HUMAN SERVICES NOT DESCRIBED ABOVE.

PROGRAM: 17.0500 MISCELLANEOUS ALLIED HEALTH SERVICES.

A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS TO ASSIST SPECIALISTS IN THE HEALTH FIELD IN PROVIDING SUPPORT FUNCTIONS IN SUCH AREAS AS PHARMACEUTICALS, CENTRAL SUPPLY, MEDICAL RECORDS, AND THE ADMISSION/DISCHARGE OF PATIENTS.

PROGRAM: 17.0501 ANIMAL TECHNOLOGY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ASSIST THE VETERINARIAN, BIOLOGICAL RESEARCHER, OR OTHER SCIENTIST IN THE CARE AND MANAGEMENT OF ANIMALS. INCLUDES INSTRUCTION IN THE BASIC PRINCIPLES OF NORMAL AND ABNORMAL LIFE PROCESSES, AND IN ROUTINE LABORATORY AND ANIMAL HEALTH CARE PROCEDURES.

SEE 17.0303, CLINICAL ANIMAL TECHNOLOGY, ON PAGE 86.

PROGRAM: 17.0502 CENTRAL SUPPLY TECHNOLOGY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ADJUST, CLEAN, STERILIZE, AND ASSEMBLE HOSPITAL EQUIPMENT, SUPPLIES, AND INSTRUMENTS ACCORDING TO PRESCRIBED PROCEDURES AND TECHNIQUES. INCLUDES INSTRUCTION IN INSPECTION, EVALUATION, AND PURCHASING OF EQUIPMENT AND MATERIALS AND IN THE DISTRIBUTION AND INVENTORY OF EQUIPMENT AND SUPPLIES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
079.164-010	SUPERVISOR, CENTRAL SUPPLY	4	4	4	6	L45	I		4525	35900	10121099	307
381.687-010	CENTRAL-SUPPLY WORKER	2	1	2	3	L46	I	07.0708	4754	62900	40066899	365
599.585-010	STERILIZER	3	2	3	3	L346	I	17.0304	7679	55Q03	63000000	777

PROGRAM: 17.0503 MEDICAL ASSISTING.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ASSIST A PHYSICIAN BY PERFORMING FUNCTIONS RELATED TO BOTH BUSINESS ADMINISTRATION AND CLINICAL DUTIES OF A MEDICAL OFFICE. BUSINESS ASPECTS OF INSTRUCTION COVER INSURANCE, ACCOUNTS, REPORTS, MEDICAL RECORDS, AND MEDICAL TRANSCRIPTION. CLINICAL ASPECTS OF STUDY INCLUDE PREPARATION OF THE PATIENT FOR EXAMINATION, ASSESSING VITAL SIGNS, ASSISTING WITH EXAMINATION AND TREATMENT, ROUTINE LABORATORY PROCEDURES, AND USE OF THE ELECTROCARDIOGRAPH MACHINE.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
078.362-018	ELECTROCARDIOGRAPH TECHNICIAN	4 3 4	6	L46	I	17.0203 17.0804	3690	35011	10121006	208
078.381-010	MEDICAL-LABORATORY ASSISTANT	4 4 4	4	L46	I	17.0302 17.0305 17.0307 17.0309	3690	35010	10120206	208
079.364-010	CHIROPRACTOR ASSISTANT	4 3 4	6	M456	I		5233	44081	70061013	446
079.364-014	OPTOMETRIC ASSISTANT	4 4 4	6	S456	I	17.0704 17.0705	3690	35900	10121099	208
079.367-010	MEDICAL ASSISTANT	4 4 4	6	L45	I	17.0505 17.0703	5233	44081	70061013	446
079.374-018	PODIATRIC ASSISTANT	4 2 4	6	L56	I	17.0510	5233	44081	70061013	446
201.362-014	MEDICAL SECRETARY	4 3 4	7	S456	I	07.0605	4622	61368	40020200	313
214.362-022	INSURANCE CLERK	4 3 4	5	S456	I	07.0203 07.0605	4784	61348	40066846	377

PROGRAM: 17.0504 MEDICAL ILLUSTRATING.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO DEMONSTRATE MEDICAL FACTS BY THE CREATION OF ILLUSTRATIONS, MODELS AND TEACHING FILMS; SERVES AS A CONSULTANT, ADVISOR, AND ADMINISTRATOR IN THE FIELD OF MEDICAL ILLUSTRATION.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
141.061-026	ILLUSTRATOR, MEDICAL AND SCIENTIFIC	5 4 5	7	S46	I	48.0203	3250	25426	10221601	188

PROGRAM: 17.0505 MEDICAL OFFICE MANAGEMENT.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO MANAGE THE ADMINISTRATIVE AND BUSINESS ASPECTS OF A SOLO OR GROUP MEDICAL PRACTICE.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
079.367-010	MEDICAL ASSISTANT	4 4 4	6	L45	I	17.0503 17.0703	5233	44081	70061013	446

PROGRAM: 17.0506 MEDICAL RECORDS TECHNOLOGY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO DEVELOP STATISTICAL REPORTS, CODE DISEASES AND OPERATIONS, AND MAINTAIN INDEXES ACCORDING TO ACCEPTED PROCEDURES; TAKE RECORDS TO COURT; HANDLE REQUESTS FOR MEDICAL INFORMATION; RECORD MINUTES OF MEDICAL STAFF COMMITTEE MEETINGS; AND SUPERVISE FILING AREAS AND ACTIVITIES OF MEDICAL RECORDS CLERKS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION		GED										
CODE	TITLE	R	M	L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
079.367-014	MEDICAL RECORD TECHNICIAN	5	4	5	6	L45	I		3640	34048	10120600	205
203.582-058	TRANSCRIBING-MACHINE OPERATOR	3	1	3	4	S456	I	07.0607 07.0608	4623	61199	40041400	314
245.362-010	MEDICAL-RECORD CLERK	4	3	3	4	L46	I	07.0605	4794	61374	40065211	386

PROGRAM: 17.0507 PHARMACY ASSISTING.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ASSIST THE PHARMACIST IN PERFORMING ROUTINE DUTIES RELATED TO MAINTAINING AND DISPENSING PHARMACEUTICAL SUPPLIES AND MEDICATIONS UNDER SUPERVISION OF A REGISTERED PHARMACIST.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION		GED										
CODE	TITLE	R	M	L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
074.381-010	PHARMACIST ASSISTANT	4	4	3	6	L46	I		3690	34047	10121009	208
074.387-010	PHARMACY HELPER	3	2	3	3	L4	I4		5233	34047	10121009	446

PROGRAM: 17.0508 PHYSICIAN ASSISTING-PRIMARY CARE.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO PERFORM PHYSICIAN-DELEGATED FUNCTIONS IN THE AREAS OF GENERAL PRACTICE, INCLUDING FAMILY MEDICINE, INTERNAL MEDICINE, OBSTETRICS, AND EMERGENCY MEDICINE.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION		GED										
CODE	TITLE	R	M	L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
079.364-018	PHYSICIAN ASSISTANT	5	4	5	7	L456	I	17.0509	3040	34016	10141404	106

PROGRAM: 17.0509 PHYSICIAN ASSISTING-SPECIALTY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO PERFORM FUNCTIONS DELEGATED BY A CLINICAL SPECIALIST IN SPECIFIC AREAS OF PATIENT CARE; UROLOGY, SURGERY, PATHOLOGY, ORTHOPEDICS, PEDIATRICS, ETC.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION		GED										
CODE	TITLE	R	M	L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
079.364-018	PHYSICIAN ASSISTANT	5	4	5	7	L456	I	17.0508	3040	34016	10141404	106
712.661-010	ORTHOPEDIC ASSISTANT	3	2	3	4	M3456	I	17.0812	3690	44043	70061012	208

PROGRAM: 17.0510 PODIATRIC ASSISTING.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO SUPPORT THE PODIATRIST IN SERVING PATIENTS BY PREPARING THEM FOR TREATMENT, STERILIZING THE INSTRUMENTS, PERFORMING GENERAL OFFICE DUTIES, AND ASSISTING THE PODIATRIST IN PREPARING DRESSINGS, ADMINISTERING TREATMENTS, AND DEVELOPING X-RAYS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
079.374-018	PODIATRIC ASSISTANT	4 2 4	6	L56	I	17.0503	5233	44081	70061013	446

PROGRAM: 17.0511 VETERINARIAN AIDE.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ASSIST VETERINARIANS IN THEIR TREATMENT OF ANIMALS BY PREPARING ANIMALS FOR TREATMENT, PERFORMING GENERAL OFFICE DUTIES, PREPARING TREATMENT ROOMS AND MAINTAINING INVENTORIES OF EQUIPMENT AND SUPPLIES, AND PERFORMING OTHER DUTIES UNDER THE SUPERVISION OF THE VETERINARIAN.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
410.674-010	ANIMAL CARETAKER	2 1 1	4	M46	I6	01.0302 01.0502 01.0504 17.0501 17.0303 17.0512	5624	55D14	80000200	487

PROGRAM: 17.0512 VETERINARIAN ASSISTING.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ASSIST A VETERINARY DOCTOR IN PROVIDING CARE AND TREATMENT TO ANIMALS IN A VETERINARY HOSPITAL OR CLINIC. INCLUDES INSTRUCTION IN PREPARING THE ANIMAL FOR EXAMINATION, ASSESSING VITAL SIGNS, ASSISTING WITH EXAMINATION AND TREATMENT, STERILIZING EQUIPMENT, PERFORMING ROUTINE LABORATORY PROCEDURES, AND GIVING INJECTIONS AND OTHER MEDICATIONS. ALSO INCLUDES MAINTAINING MEDICAL AND BUSINESS RECORDS, AND CHARTING AND SCHEDULING ACTIVITES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
410.674-010	ANIMAL CARETAKER	2 1 1	4	M46	I6	01.0302 01.0502 01.0504 17.0501 17.0303 17.0511	5624	55D14	80000200	487

PROGRAM: 17.0513 WARD CLERK.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO PERFORM SUCH DUTIES AS ANSWERING THE TELEPHONE, RELAYING MESSAGES, RECEIVING AND DIRECTING VISITORS, TRANSCRIBING ORDERS, AND PREPARING REQUISITION FORMS IN THE NURSING UNIT OF A HOSPITAL OR OTHER HEALTH CARE FACILITY, UNDER THE SUPERVISION OF A HEAD NURSE.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
245.362-014	WARD CLERK	3 3 3	3	L45	I	07.0605	4630	61333	40066811	379

PROGRAM: 17.0599 MISCELLANEOUS ALLIED HEALTH SERVICES, OTHER.

AN INSTRUCTIONAL PROGRAM IN MISCELLANEOUS ALLIED HEALTH SERVICE, NOT DESCRIBED ABOVE.

PROGRAM: 17.0600 NURSING-RELATED SERVICES.

A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS TO WORK UNDER THE SUPERVISION OF A PHYSICIAN, NURSE SUPERVISOR, OR OTHER QUALIFIED NURSING STAFF MEMBER IN PROVIDING NURSING CARE TO PATIENTS IN HOSPITALS, SANITARIUMS, CLINICS, PRIVATE HOMES, OR OTHER PLACES BY ADMINISTERING MEDICATIONS AND TREATMENTS, ASSISTING DURING TREATMENT AND EXAMINIATION OF PATIENTS, OR PERFORMING RELATED AUXILIARY SERVICES.

PROGRAM: 17.0601 GERIATRIC AIDE.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO PERFORM TASKS INVOLVED IN PROVIDING NURSING AND PERSONAL CARE TO ELDERLY PATIENTS UNDER THE SUPERVISION OF QUALIFIED NURSING STAFF MEMBERS. EMPHASIS IS ON THE MAINTENANCE OF DAILY LIVING ACTIVITES OF THESE PATIENTS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
354.377-014	HOME ATTENDANT	3 2 2	3	M456	B	17.0404 17.0602 20.0602	5236	49000	70200099	447
355.377-014	PSYCHIATRIC AIDE	3 2 3	4	M456	I	17.0405 17.0408 17.0602	5236	44028	70061011	447
355.674-014	NURSE AIDE	3 2 2	4	M3456	I67	17.0404 17.0405 17.0602 17.0604	5236	44025	70061010	447
355.674-018	ORDERLY	3 2 3	4	M3456	I6	17.0404 17.0405 17.0408 17.0602 17.0604	5236	44025	70061010	447

PROGRAM: 17.0602 NURSING ASSISTING.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO PERFORM ROUTINE TASKS, UNDER THE SUPERVISION OF A REGISTERED OR LICENSED PRACTICAL NURSE, IN THE PROVISION OF PERSONAL CARE TO INDIVIDUALS WHO ARE RECEIVING NURSING CARE.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
354.377-014	HOME ATTENDANT	3	2	2	3	M456	B	17.0404 17.0601 20.0602	5236	49000	70200099	447
355.377-014	PSYCHIATRIC AIDE	3	2	3	4	M456	I	17.0405 17.0408 17.0601	5236	44028	70061011	447
355.674-014	NURSE AIDE	3	2	2	4	M3456	I67	17.0404 17.0405	5236	44025	70061010	447
355.674-014	NURSE AIDE	3	2	2	4	M3456	I67	17.0601 17.0604	5236	44025	70061010	447
355.674-018	ORDERLY	3	2	3	4	M3456	I6	17.0404 17.0405 17.0408 17.0601 17.0604	5236	44025	70061010	447

PROGRAM: 17.0603 OBSTETRICAL TECHNOLOGY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ASSIST IN THE CARE OF MOTHERS IN LABOR AND DELIVERY ROOMS BEFORE, DURING AND AFTER DELIVERY UNDER THE SUPERVISION OF PROFESSIONAL PERSONNEL, INCLUDES INSTRUCTION IN HYGIENIC PROCEDURES, ROUTINE LABORATORY WORK, AND STERILIZATION OF EQUIPMENT AND SUPPLIES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
079.374-022	SURGICAL TECHNICIAN	4	4	3	6	L45	I7	17.0211	3690	34034	10121002	208
354.377-010	BIRTH ATTENDANT	3	1	2	4	M456	I		5236	44025	70061010	447

PROGRAM: 17.0604 PEDIATRIC AIDE. AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO PROVIDE NURSING CARE TO ILL OR HANDICAPPED CHILDREN (NEWBORN, INFANTS, CHILDREN, AND ADOLESCENTS) IN HOSPITALS AND OTHER HEALTH-CARE FACILITIES, UNDER THE SUPERVISION OF QUALIFIED NURSING STAFF MEMBERS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
355.674-014	NURSE AIDE	3 2 2	4	M3456	I67	17.0404 17.0405 17.0601 17.0602	5236	44025	70061010	447
355.674-018	ORDERLY	3 2 3	4	M3456	I6	17.0404 17.0405 17.0408 17.0601 17.0602	5236	44025	70061010	447

PROGRAM: 17.0605 PRACTICAL NURSING. AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ASSIST IN PROVIDING GENERAL NURSING CARE UNDER THE DIRECTION OF A REGISTERED NURSE AND PHYSICIAN.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
079.374-014	NURSE, LICENSED PRACTICAL	4 3 4	6	M456	I7		3660	34013	10121010	207
354.374-010	NURSE, PRACTICAL	3 2 3	4	M3456	I		3660	44025	70061010	207

PROGRAM: 17.0606 WARD SERVICE MANAGEMENT. AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO SUPERVISE AND COORDINATE ADMINISTRATIVE MANAGEMENT FUNCTIONS FOR ONE OR MORE PATIENT CARE UNITS IN A HEALTH-CARE FACILITY UNDER THE SUPERVISION OF A NURSING SERVICE DIRECTOR OR ADMINISTRATOR.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
245.137-010	WARD-SERVICE SUPERVISOR	4 3 4	6	L56	I	07.0401 07.0605	4511	61396	40061200	303

PROGRAM: 17.0699 NURSING-RELATED SERVICES, OTHER. AN INSTRUCTIONAL PROGRAM IN NURSING-RELATED SERVICES NOT DESCRIBED ABOVE.

PROGRAM: 17.0700 OPHTHALMIC SERVICES.

A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARES INDIVIDUALS TO ASSIST AN OPHTHALMOLOGIST OR OPTOMETRIST IN IDENTIFYING VISION DEFECTS, PERFORMING TESTS, ADMINISTERING TREATMENT PRELIMINARY TO EXAMINATION OR SURGERY, PREPARING AND FITTING EYEGLASSES OR CONTACT LENSES AND DIRECTING CORRECTIVE EYE EXERCISES.

PROGRAM: 17.0701 OPHTHALMIC DISPENSING.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ADAPT AND FIT CORRECTIVE EYEWEAR AS PRESCRIBED BY THE OPHTHALMOLOGIST OR OPTOMETRIST.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
299.474-010	OPTICIAN, DISPENSING 2	4	3	4	6	L456	I	17.0704 17.0705	4490	55D69	50143002	285
713.361-010	OPTICIAN APPRENTICE, DISPENSING	4	4	4	7	L456	I	17.0704 17.0705	6864	55D69	50143002	677
713.361-014	OPTICIAN, DISPENSING 1	4	4	4	7	L456	I	17.0704 17.0705	6864	55D69	50143002	677

PROGRAM: 17.0702 OPHTHALMIC LABORATORY TECHNOLOGY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO OPERATE MACHINES, TO GRIND LENSES, AND FABRICATE EYEWEAR TO PRESCRIPTION.

SEE 15.0606, OPTICAL TECHNOLOGY, UNDER TECHNICAL EDUCATION ON PAGE 242.

PROGRAM: 17.0703 OPHTHALMIC MEDICAL ASSISTING.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ASSIST THE OPHTHALMOLOGIST IN EYE EXAMINATIONS AND IN THE TREATMENT OF EYE DISEASES AND DISORDERS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
079.367-010	MEDICAL ASSISTANT	4	4	4	6	L45	I	17.0503 17.0505	5233	44081	70061013	446

PROGRAM: 17.0704 OPTOMETRIC ASSISTING.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ASSIST IN PERFORMING TESTS TO DETERMINE DEFECTS IN VISION, PREPARING AND FITTING EYEGLASSES OR CONTACT LENSES, AND ADMINISTERING CORRECTIVE EYE EXERCISES AND OTHER TREATMENTS WHICH DO NO REQUIRE DRUGS OR SURGERY.

SEE 17.0705, OPTOMETRIC TECHNOLOGY, BELOW ON THIS PAGE.

PROGRAM: 17.0705 OPTOMETRIC TECHNOLOGY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO PERFORM A VARIETY OF VISION CARE PROCEDURES OR TO SPECIALIZE IN A PARTICULAR AREA OF VISION CARE, SUCH AS FITTING OF CONTACT LENSES OR VISUAL TRAINING, UNDER THE SUPERVISION OF A PHYSICIAN OR OPTOMETRIST.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
079.364-014	OPTOMETRIC ASSISTANT	4	4	4	6	S456	I	17.0503 17.0704	3690	35900	10121099	208
299.474-010	OPTICIAN, DISPENSING 2	4	3	4	6	L456	I	17.0701 17.0704	4490	55D69	50143002	285
713.361-010	OPTICIAN APPRENTICE, DISPENSING	4	4	4	7	L456	I	17.0701 17.0704	6864	55D69	50143002	677
713.361-014	OPTICIAN, DISPENSING 1	4	4	4	7	L456	I	17.0701 17.0704	6864	55D69	50143002	677

PROGRAM: 17.0706 ORTHOPTICS.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO TEACH PATIENTS WITH CORRECTABLE FOCUSING DEFECTS TO DEVELOP AND USE BINOCULAR VISION, UNDER THE SUPERVISION OF AN OPTHALMOLOGIST.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION										
CODE	TITLE	GED R M L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
079.371-014	ORTHOPTIST	4 4 4	6	L46	I56		3690	34021	10121004	208

PROGRAM: 17.0799 OPHTHALMIC SERVICES, OTHER.

ANY INSTRUCTIONAL PROGRAM IN OPHTHALMIC SERVICES NOT DESCRIBED ABOVE.

PROGRAM: 17.0800 REHABILITATION SERVICES.

A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS TO WORK UNDER THE DIRECTION OF A PHYSICIAN OR OTHER APPROPRIATE SPECIALIST IN ASSISTING HANDICAPPED PERSONS TO OVERCOME OR COMPENSATE FOR ANY LOSS OF FUNCTION AND IN RESTORING THE INDIVIDUAL'S PHYSICAL HEALTH.

PROGRAM: 17.0801 ART THERAPY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO APPLY THE PRINCIPLES AND TECHNIQUES OF ART TO THE REHABILITATION OF PHYSICALLY AND MENTALLY ILL PATIENTS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION										
CODE	TITLE	GED R M L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
076.127-010	ART THERAPIST	4 4 4	7	L456	I		3039	34038	10101802	105

PROGRAM: 17.0802 CORRECTIVE THERAPY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO PROVIDE MEDICALLY PRESCRIBED PROGRAMS OF THERAPEUTIC EXERCISE TO PHYSICALLY AND MENTALLY ILL PATIENTS TO PREVENT MUSCULAR DECONDITIONING RESULTING FROM INACTIVITY AND TO ATTAIN RESOCIALIZATION AND SPECIFIC PSYCHIATRIC OBJECTIVES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION										
CODE	TITLE	GED R M L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
076.361-010	CORRECTIVE THERAPIST	4 2 4	7	M456	I47	17.0803	3033	25541	10101808	103

PROGRAM: 17.0803 DANCE THERAPY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO APPLY THE PRINCIPLES AND TECHNIQUES OF DANCE TO THE REHABILITATION OF PHYSICALLY AND MENTALLY ILL PATIENTS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
076.121-010	OCCUPATIONAL THERAPIST	5 4 5	7	L456	I	17.0807	3032	25458	10101801	099
076.361-010	CORRECTIVE THERAPIST	4 2 4	7	M456	I47	17.0802	3033	25541	10101808	103
076.364-010	OCCUPATIONAL THERAPY ASSISTANT	4 3 4	6	M3456	I67	17.0405 17.0808	5233	44082	70060400	446
355.377-010	OCCUPATIONAL THERAPY AIDE	4 3 4	5	L45	I	17.0809	5233	44082	70060400	446

PROGRAM: 17.0804 EXERCISE PHYSIOLOGY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO WORK WITH CLINICIANS IN HOSPITALS WITH REHABILITATION PROGRAMS TO PROVIDE EXERCISE STRESS TESTING AND CARDIOVASCULAR REHABILITATION FOR PATIENTS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
078.362-018	ELECTROCARDIOGRAPH TECHNICIAN	4 3 4	6	L46	I	17.0203 17.0503	3690	35011	10121006	208

PROGRAM: 17.0805 MANUAL ARTS THERAPY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO USE INDUSTRIAL ARTS, WORKSHOPS, AND AGRICULTURAL ACTIVITIES TO ASSIST IN THE REHABILITATION OF PATIENTS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
076.124-010	MANUAL-ARTS THERAPIST	4 4 4	7	L	I7		3033	34038	10101802	103

PROGRAM: 17.0806 MUSIC THERAPY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO USE INDIVIDUAL AND GROUP MUSICAL ACTIVITIES WITH PHYSICALLY AND MENTALLY ILL PATIENTS TO ACCOMPLSH THERAPEUTIC AIMS, TO CREATE AN ENVIRONMENT CONDUCIVE TO TREATMENT, OR TO INFLUENCE BEHAVIOR.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
076.127-014	MUSIC THERAPIST	6 5 6	7	L5	I		3039	25537	10101802	105

PROGRAM: 17.0807 OCCUPATIONAL THERAPY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO USE THE PRINCIPLES AND TECHNIQUES OF PROVIDING THERAPY THAT OFFERS MENTAL DIVERSION FOR THE PATIENT, FREQUENTLY SERVES TO EXERCISE AN AFFECTED PART OF THE BODY, AND GIVES VOCATIONAL TRAINING THAT WOULD ENABLE THE PATIENT TO ENTER THE WORK FORCE.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
076.121-010	OCCUPATIONAL THERAPIST	5	4	5	7	L456	I	17.0803	3032	25458	10101801	099

PROGRAM: 17.0808 OCCUPATIONAL THERAPY ASSISTING.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ASSIST AN OCCUPATIONAL THERAPIST IN IMPLEMENTING THE PLAN OF THERAPY FOR A PATIENT PRESCRIBED BY A PHYSICIAN.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
076.364-010	OCCUPATIONAL THERAPY ASSISTANT	4	3	4	6	M3456	I67	17.0405 17.0803	5233	44082	70060400	446

PROGRAM: 17.0809 OCCUPATIONAL THERAPY AIDE.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO PREPARE, COLLECT, AND DISTRIBUTE SUPPLIES AND EQUIPMENT; KEEP RECORDS; MAKE REQUISITIONS; AND ASSIST INDIVIDUAL PATIENTS AS DIRECTED BY THE OCCUPATIONAL THERAPIST IN AN OCCUPATIONAL THERAPY UNIT.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
355.377-010	OCCUPATIONAL THERAPY AIDE	4	3	4	5	L45	I	17.0803	5233	44082	70060400	446

PROGRAM: 17.0810 ORTHOTIC/PROSTHETIC ASSISTING.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ASSIST THE ORTHOTIST/PROSTHETIST IN CARING FOR PATIENTS BY MAKING CASTS, MEASUREMENTS, AND MODEL SPECIFICATIONS AND FITTING SUPPORTIVE APPLIANCES AND/OR ARTIFICIAL LIMBS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
078.361-022	ORTHOTICS ASSISTANT	4	4	4	7	M456	I		3690	35900	10121099	208
078.361-026	PROSTHETICS ASSISTANT	4	4	4	7	M456	I		3690	35009	10121005	208
712.381-010	ARCH-SUPPORT TECHNICIAN	3	2	2	5	L46	I		6869	55586	50144817	684
712.381-034	ORTHOTICS TECHNICIAN	4	3	4	6	M456	I		6869	59002	63000000	684
712.381-038	PROSTHETICS TECHNICIAN	4	4	4	6	M46	I		6869	55586	50144817	684

PROGRAM: 17.0811 ORTHOTICS/PROSTHETICS.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO WRITE SPECIFICATIONS FOR, MAKE, FIT, AND REPAIR BRACES AND APPLIANCES AND/OR ARTIFICIAL LIMBS FOLLOWING THE PRESCRIPTION OF PHYSICIANS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
078.261-018	ORTHOTIST	5 4 4	8	M456	I		3690	35009	10121005	208
078.261-022	PROSTHETIST	5 4 4	8	M456	I		3690	35009	10121005	208

PROGRAM: 17.0812 ORTHOPEDIC ASSISTING.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ASSIST A PHYSICIAN BY APPLYING, ADJUSTING, AND REMOVING CASTS: ASSEMBLING TRACTION APPARATUS; FITTING STRAPPINGS AND SPLINTS FOR ORTHOPEDIC PATIENTS; ASSEMBLING EXERCISE FRAMES; AND ADJUSTING CRUTCHES AND CANES TO FIT PATIENTS. TRAINING MAY INCLUDE INSTRUCTING PATIENTS WITH CASTS, BRACES AND CRUTCHES IN WALKING AND IN CARE OF THE DEVICES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
712.661-010	ORTHOPEDIC ASSISTANT	3 2 3	4	M3456	I	17.0509	3690	44043	70061012	208

PROGRAM: 17.0813 PHYSICAL THERAPY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO USE PRINCIPLES AND TECHNIQUES OF TREATING DISEASE, BODILY WEAKNESS, OR PHYSICAL DEFECTS BY PHYSICAL REMEDIES, INCLUDING MASSAGE AND GYMNASTICS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
076.121-014	PHYSICAL THERAPIST	5 4 5	7	L3456	I		3033	25468	10101804	103

PROGRAM: 17.0814 PHYSICAL THERAPY AIDE.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ASSIST A PHYSICAL THERAPIST BY CLEANING AND SETTING UP EQUIPMENT, ASSISTING IN LIFTING AND MOVING PATIENTS, MAINTAINING CLEANLINESS AND ORDER IN THE TREATMENT AREAS, ORDERING AND STORING SUPPLIES, KEEPING RECORDS, AND ESCORTING PATIENTS BETWEEN NURSING UNITS AND THERAPY UNITS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
355.354-010	PHYSICAL THERAPY AIDE	3 2 3	4	M3456	I		5233	35016	10121012	446

PROGRAM: 17.0815 PHYSICAL THERAPY ASSISTING.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ASSIST A PHYSICAL THERAPIST IN IMPLEMENTING THE PLAN OF THERAPY FOR A PATIENT PRESCRIBED BY A PHYSICIAN.

DICTIONARY OF OCCUPATIONAL TITLES CODE	FOURTH EDITION TITLE	GED R M L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
076.224-010	PHYSICAL THERAPIST ASSISTANT	4 3 4	6	M3456	I67		5233	35016	10121012	446

PROGRAM: 17.0816 RECREATIONAL THERAPY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO PLAN, ORGANIZE, AND DIRECT MEDICALLY APPROVED RECREATION PROGRAMS SUCH AS SPORTS, TRIPS, DRAMATICS, ARTS AND CRAFTS, EITHER TO HELP CLIENTS IN RECOVERY FROM ILLNESS OR IN COPING WITH TEMPORARY OR PERMANENT DISABILITY.

DICTIONARY OF OCCUPATIONAL TITLES CODE	FOURTH EDITION TITLE	GED R M L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
076.124-014	RECREATIONAL THERAPIST	4 2 4	6	L45	I		3039	34038	10101802	105

PROGRAM: 17.0817 RECREATIONAL THERAPY TECHNOLOGY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ASSIST THE RECREATIONAL THERAPIST IN CONDUCTING MEDICALLY APPROVED RECREATION PROGRAMS SUCH AS SPORTS, TRIPS, DRAMATICS, AND ARTS AND CRAFTS.

PROGRAM: 17.0818 RESPIRATORY THERAPY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ADMINISTER RESPIRATORY CARE UNDER THE DIRECTION OF A PHYSICIAN, EVALUATING THE PATIENT'S PROGRESS, AND MAKING RECOMMENDATIONS FOR RESPIRATORY THERAPY. INCLUDES INSTRUCTION IN VENTILATORY THERAPY, CARDIO-RESPIRATORY REHABILITATION, MICROENVIRONMENTAL CONTROL, AND DIAGNOSTIC TESTING OF THE RESPIRATORY SYSTEM (INHALATION THERAPIST).

SEE 17.0210, RESPIRATORY THERAPY TECHNOLOGY, ON PAGE 84.

PROGRAM: 17.0819 RESPIRATORY THERAPY ASSISTING.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ASSIST A RESPIRATORY THERAPIST IN IMPLEMENTING THE PLAN OF THERAPY FOR A PATIENT PRESCRIBED BY A PHYSICIAN.

PROGRAM: 17.0820 SPEECH/HEARING THERAPY AIDE. AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ASSIST IN TESTING, EVALUATING, AND TREATING THE PROBLEMS OF PEOPLE WITH SPEECH AND HEARING DIFFICULTIES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION		GED	S V P	PHYSICAL	WORKING	OTHER C I P	1980 SOC	O E S SURVEY	MATRIX	1980 CENSUS
CODE	TITLE	R M L		DEMANDS	CONDITIONS	PROGRAM	CODE	CODE	CODE	CODE
078.362-010	AUDIOMETRIST	4 3 4	6	L456	I		3690	25539	10101807	208

PROGRAM: 17.0821 SPEECH-LANGUAGE PATHOLOGY/AUDIOLOGY. AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO EVALUATE AND HABILITATE HEARING, SPEECH, AND LANGUAGE DISORDERS, SUCH AS NEUROLOGICAL DISTURBANCES, DEFECTIVE ARTICULATION, OR FOREIGN DIALECT IN CHILDREN OR ADULTS. INCLUDES INSTRUCTION IN HOW TO PLAN, DIRECT, AND CONDUCT REMEDIAL PROGRAMS DESIGNED TO RESTORE OR IMPROVE COMMUNICATION EFFICIENCY OF INDIVIDUALS WITH A HEARING OR SPEECH IMPAIRMENT.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION		GED	S V P	PHYSICAL	WORKING	OTHER C I P	1980 SOC	O E S SURVEY	MATRIX	1980 CENSUS
CODE	TITLE	R M L		DEMANDS	CONDITIONS	PROGRAM	CODE	CODE	CODE	CODE
076.101-010	AUDIOLOGIST	5 4 5	7	L456	I		3034	25538	10101803	104
076.107-010	SPEECH PATHOLOGIST	6 5 6	7	L456	I		3034	25538	10101803	104

PROGRAM: 17.0899 REHABILITATION SERVICES, OTHER. ANY INSTRUCTIONAL PROGRAM IN REHABILITATION SERVICES NOT DESCRIBED ABOVE.

PROGRAM: 17.9900 ALLIED HEALTH, OTHER. A GROUP OF INSTRUCTIONAL PROGRAMS IN ALLIED HEALTH NOT DESCRIBED ABOVE.

PROGRAM: 17.9999 ALLIED HEALTH, OTHER. ANY INSTRUCTIONAL PROGRAM IN ALLIED HEALTH NOT DESCRIBED ABOVE.

PROGRAM: 18.1100 NURSING.

-------- A GROUP OF INSTRUCTIONAL PROGRAMS THAT DESCRIBE THE TECHNIQUES AND PROCEDURES FOR PROVIDING CARE FOR SICK, DISABLED, INFIRM, OR OTHER INDIVIDUALS, INCLUDING THE ADMINISTERING OF MEDICATIONS AND TREATMENTS, ASSISTING A PHYSICIAN DURING TREATMENTS AND EXAMINATIONS, AND PLANNING EDUCATION FOR HEALTH MAINTENANCE.

PROGRAM: 18.1101 NURSING, GENERAL.

---------------- AN INSTRUCTIONAL PROGRAM THAT DESCRIBES THE TECHNIQUES AND PROCEDURES FOR PROVIDING CARE FOR SICK, DISABLED, INFIRM, OR OTHER INDIVIDUALS, INCLUDING THE ADMINISTERING OF MEDICATIONS AND TREATMENTS, ASSISTING A PHYSICIAN DURING TREATMENTS AND EXAMINATIONS, AND PLANNING EDUCATION FOR HEALTH MAINTENANCE.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	D E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
075.124-010	NURSE, SCHOOL	5	4	5	7	M456	I		2900	25457	10100800	095
075.124-014	NURSE, STA/F, COMMUNITY HEALTH	5	4	5	7	M456	I		2900	25457	10100800	095
075.127-018	NURSE, HEAD	5	4	5	7	L456	I		2900	25457	10100800	095
075.371-010	NURSE ANESTHETIST	5	4	5	7	M46	I7		2900	25457	10100800	095
075.374-010	NURSE, GENERAL DUTY	5	4	5	7	M456	I		2900	25457	10100800	095
075.374-014	NURSE, OFFICE	5	4	5	7	M456	I		2900	25457	10100800	095
075.374-018	NURSE, PRIVATE DUTY	5	4	5	7	M456	I		2900	25457	10100800	095
075.374-022	NURSE, STAFF, OCCUPATIONAL HEALTH NURSIN	5	4	5	7	L456	I		2900	25457	10100800	095

Home
Economics Education

PROGRAM AREA: HOME ECONOMICS EDUCATION.

HOME ECONOMICS EDUCATION INSTRUCTIONAL PROGRAMS PREPARE MALES AND FEMALES, YOUTH AND ADULTS, FOR PAID AND UNPAID OCCUPATIONS. THESE PROGRAMS EMPHASIZE THE ACQUISITION OF COMPETENCIES INCLUDING JOB SKILLS, ATTITUDES, VALUES, RELATIONSHIPS AND KNOWLEDGE RELEVANT TO THE SPECIFIC OCCUPATIONAL OBJECTIVE(S). THERE ARE TWO TYPES OF VOCATIONAL HOME ECONOMICS EDUCATION PROGRAMS: (1) CONSUMER AND HOMEMAKING EDUCATION, CODE 20.01, WHICH PREPARES PERSONS FOR THE OCCUPATION OF HOMEMAKING; AND (2) OCCUPATIONAL HOME ECONOMICS EDUCATION, CODE 20.02 THROUGH 20.06, WHICH UTILIZES HOME ECONOMICS KNOWLEDGE AND SKILLS NEEDED FOR PREPARING, SECURING, AND MAINTAINING PAID EMPLOYMENT AT THE ENTRY AND/OR ADVANCED LEVELS. THESE TWO TYPES OF VOCATIONAL HOME ECONOMICS EDUCATION INSTRUCTIONAL PROGRAMS COMPRISE THE GROUP RELATED SUBJECT MATTER AREAS, PROGRAMS, COURSES, OR CLASSES OF INSTRUCTION ORGANIZED AND DESIGNED FOR THE PURPOSE OF ENABLING LEARNERS TO ACQUIRE KNOWLEDGE, DEVELOP UNDERSTANDING, ATTITUDES, VALUES, AND SKILLS RELEVANT TO MEET THE SPECIFIC AND UNIQUE REQUIREMENTS OF THE OCCUPATION(S). VOCATIONAL HOME ECONOMICS EDUCATION INSTRUCTIONAL PROGRAMS ARE BASED UPON THE FOLLOWING SUBJECT MATTER AREAS: (1) CHILD GROWTH, CARE AND DEVELOPMENT, (2) CLOTHING AND TEXTILES, (3) CONSUMER EDUCATION, (4) FOODS AND NUTRITION, (5) FAMILY LIVING/RELATIONS AND PARENTHOOD EDUCATION, (6) HOME MANAGEMENT, AND (7) HOUSING, HOME FURNISHINGS, AND EQUIPMENT. VOCATIONAL HOME ECONOMICS EDUCATION PROGRAMS FOR THE OCCUPATION OF HOMEMAKING AND/OR FOR EMPLOYMENT IN OCCUPATIONAL HOME ECONOMICS EDUCATION AREAS CONSIST OF ORGANIZED INSTRUCTION, SUPERVISED LABORATORY, COOPERATIVE AND OTHER WORK EXPERIENCES IN FORMAL AND INFORMAL SETTINGS AS IS APPLICABLE. PROGRAMS THAT PREPARE INDIVIDUALS FOR PAID EMPLOYMENT INCLUDE: (1) SERVICES TO INDIVIDUALS/FAMILIES; (2) ASSISTANCE TO PROFESSIONAL HOME ECONOMISTS AND PROFESSIONALS IN FIELDS RELATED TO HOME ECONOMICS IN INDUSTRY, BUSINESS, MILITARY, PUBLIC AND PRIVATE AGENCIES; AND (3) OTHER SERVICES AND/OR ASSISTANCE DIRECTLY RELATED TO ONE OR MORE OF THE HOME ECONOMICS SUBJECT MATTER AREAS, OFFERED IN FORMAL AND/OR INFORMAL SETTINGS COMBINED WITH SUPERVISED LABORATORY, COOPERATIVE AND OTHER WORK EXPERIENCES. ACTIVITIES OF THE VOCATIONAL HOME ECONOMICS EDUCATION STUDENT ORGANIZATION, FUTURE HOMEMAKERS OF AMERICA, ARE INCLUDED AS AN INTEGRAL PART OF THE INSTRUCTIONAL PROGRAMS INCLUDING RECOGNITION, PERFORMANCE, COMPTETENCY AND/OR SKILL ACTIVITIES. THERE ARE TWO TYPES OF CHAPTERS: FHA-CONSUMER AND HOMEMAKING EDUCATION PROGRAMS; AND HERO-HOME ECONOMICS RELATED OCCUPATIONS.

PROGRAM: 04.0500 INTERIOR DESIGN.

A GROUP OF INSTRUCTIONAL PROGRAMS (SEE 04.0501).

PROGRAM: 04.0501 **INTERIOR DESIGN.** AN INSTRUCTIONAL PROGRAM THAT DESCRIBES THE PROCESSES, PROCEDURES, OBSERVATIONS, AND TECHNIQUES ESSENTIAL TO THE DEVELOPMENT OF DESIGNS FOR INTERIOR ENVIRONMENTS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
141.051-010	COLOR EXPERT	5 2 4	7	L56	I	20.0505 48.0203	3250	25489	10221001	188
142.031-014	MANAGER, DISPLAY	5 3 4	7	L456	I	08.0202 20.0505	3220	25489	10221001	183
142.051-014	INTERIOR DESIGNER	5 3 4	7	L456	I	15.0102 20.0505	3220	25489	10221001	183
162.157-018	BUYER	4 3 4	6	L456	I	01.0503 08.0703 08.0704 08.0705 08.0707 08.0904 20.0306 20.0308 20.0505	1442	25301	10240804	029
162.157-022	BUYER, ASSISTANT	4 3 3	6	L5	I	01.0503 08.0704 08.0705 08.0904 20.0306 20.0308 20.0505	1442	25301	10240804	029
298.081-010	DISPLAYER, MERCHANDISE	4 3 3	6	M346	I	08.0202 20.0306 20.0308 20.0505	3220	55A93	50141000	183

PROGRAM: 20.0000 **VOCATIONAL HOME ECONOMICS.** A SUMMARY OF GROUPS OF INSTRUCTIONAL PROGRAMS THAT EMPHASIZE THE ACQUISITION OF COMPETENCIES (INCLUDING SKILLS AND JOB ATTITUDES) NEEDED FOR SECURING AND HOLDING PAID EMPLOYMENT AT THE ENTRY AND ADVANCED LEVELS, AND/OR PREPARING FOR ADVANCEMENT IN OCCUPATIONS UTILIZING HOME ECONOMICS EDUCATION KNOWLEDGE AND SKILLS. VOCATIONAL HOME ECONOMICS EDUCATION INSTRUCTIONAL PROGRAMS ARE DEVELOPED FROM HOME ECONOMICS EDUCATION SUBJECT MATTER AREAS TO MEET THE UNIQUE REQUIREMENTS OF THE SPECIFIC VOCATIONS. PROGRAMS THAT PREPARE INDIVIDUALS FOR PAID EMPLOYMENT INCLUDE: (1) SERVICES TO INDIVIDUALS/FAMILIES; (2) ASSISTANCE TO PROFESSIONAL HOME ECONOMISTS AND PROFESSIONALS IN FIELDS RELATED TO HOME ECONOMICS IN INDUSTRY, BUSINESS, AND PUBLIC AND PRIVATE AGENCIES; AND (3) OTHER SERVICES AND/OR ASSISTANCE DIRECTLY RELATED TO ONE OR MORE OF THE HOME ECONOMICS SUBJECT MATTER AREAS, OFFERED IN FORMAL AND/OR INFORMAL SETTINGS COMBINED WITH SUPERVISED LABORATORY AND WORK EXPERIENCES.

PROGRAM: 20.0100 CONSUMER AND HOMEMAKING HOME ECONOMICS.

A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS AT ALL EDUCATIONAL LEVELS FOR THE OCCUPATION OF HOMEMAKING, EMPHASIZING THE ACQUISITION OF KNOWLEDGE AND THE DEVELOPMENT OF UNDERSTANDING ATTITUDES, STANDARDS, VALUES AND SKILLS RELEVANT TO INDIVIDUAL AND FAMILY LIFE. INCLUDES INSTRUCTION IN CONSUMER EDUCATION, FOOD AND NUTRITION FAMILY LIVING AND PARENTHOOD EDUCATION, CHILD GROWTH AND DEVELOPMENT, HOUSING AND HOME MANAGEMENT (INCLUDING RESOURCE MANAGEMENT), AND CLOTHING AND TEXTILES THAT EMPHASIZE THE IMPROVEMENT OF THE HOME, THE QUALITY OF THE INDIVIDUAL AND FAMILY LIFE, AND ENHANCE POTENTIAL EMPLOYABILITY. THESE PROGRAMS PREPARE INDIVIDUALS FOR THE MULTIPLE ROLES OF HOMEMAKER AND WAGE EARNER.

EXAMPLES OF POTENTIAL WAGE EARNING OCCUPATIONS FROM THE DICTIONARY OF OCCUPATIONAL TITLES ARE INDICATED BELOW.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
301.677-010	CHILD MONITOR	3	2	3	3	L345	I	20.0202 20.0204	5060	44001	70081601	406
309.354-010	HOMEMAKER	4	2	4	5	L45	I	20.0204 20.0606	5263	44080	70083000	467
309.674-014	PERSONAL ATTENDANT	2	2	2	3	L45	I	20.0302 20.0602 20.0606	5098	00000	70121099	407
309.677-010	COMPANION	3	2	3	3	L45	I	20.0602	5090	00000	70121099	407
315.361-010	COOK	3	2	2	6	M46	I4	20.0403 20.0408	5214	43016	70040804	436
526.381-010	BAKER	3	2	2	7	H346	I	20.0402	6872	55E36	50140202	687
780.682-014	SLIP-COVER SEWER	3	1	1	4	L46	I	20.0503 48.0303	7655	55C78	61085205	744
782.684-058	SEWER, HAND	2	1	1	3	L46	I	20.0304 20.0503	7752	55J75	63000000	667

PROGRAM: 20.0101 COMPREHENSIVE CONSUMER AND HOMEMAKING HOME ECONOMICS.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS FOR THE OCCUPATION OF HOMEMAKER. INCLUDES INSTRUCTION FROM ALL HOME ECONOMICS SUBJECT MATTER AREAS CONCERNED WITH THE ECONOMICS, SOCIAL AND CULTURAL CONDITIONS, NEEDS OF INDIVIDUALS AND FAMILIES AND EMPHASIZES THE BASIC PRINCIPLES AND INTERRELATIONSHIPS AMONG THESE AREAS.

PROGRAM: 20.0102 CHILD DEVELOPMENT, CARE, AND GUIDANCE.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO UNDERSTAND CHILDREN'S PHYSICAL, MENTAL, EMOTIONAL, AND SOCIAL GROWTH AND DEVELOPMENT, AS WELL AS THEIR CARE AND GUIDANCE. THE PROGRAM DRAWS ON ASPECTS OF THE SOCIAL AND BIOLOGICAL SCIENCES OF WHICH HOME ECONOMICS IS A COMPONENT. OBSERVATION AND ACTUAL EXPERIENCES WITH CHILDREN AND THEIR PARENTS ARE INTEGRAL PARTS OF THE PROGRAM.

PROGRAM: 20.0103 CLOTHING AND TEXTILES.
---------------------- AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO UNDERSTAND THE SOCIAL, PSYCHOLOGICAL, AND PHYSIOLOGICAL ASPECTS OF CLOTHING AMD TEXTILES; THE NATURE, ACQUISITION AND USE OF CLOTHING AND TEXTILE PRODUCTS; THE SELECTION, CONSTRUCTION, MAINTENANCE AND ALTERATION OF CLOTHING AND TEXTILE PRODUCTS; AND THE EFFECT OF CONSUMER CHOICES ON THE INDIVIDUAL AND FAMILY AS WELL AS THE CLOTHING AND TEXTILE INDUSTRY.

PROGRAM: 20.0104 CONSUMER EDUCATION.
------------------- AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO UNDERSTAND THE VALUES, NEEDS, WANTS, GOALS AND RESOURCES THAT ENABLE YOUTH AND ADULTS TO MAKE RATIONAL DECISIONS THAT CONTRIBUTE TO FAMILY STABILITY AND QUALITY OF LIFE. INCLUDES INSTRUCTION IN BUDGETING AND SPENDING PLANS, USE OF CREDIT, SAVINGS, INVESTMENTS, TAXES, CONSUMER BUYING, AND CONSUMER RIGHTS AND RESPONSIBILITIES.

PROGRAM: 20.0105 EXPLORATORY HOMEMAKING.
----------------------- AN INSTRUCTIONAL PROGRAM THAT PROVIDES INDIVIDUALS IN ELEMENTARY, MIDDLE AND JUNIOR HIGH SCHOOL THE OPPORTUNITY TO EXPLORE HOME ECONOMICS SUBJECT MATTER AREAS. INCLUDES INSTRUCTION IN THE DEVELOPMENT OF POSITIVE SELF-CONCEPTS; UNDERSTANDING PERSONAL GROWTH AND DEVELOPMENT; AND RELATIONSHIPS WITH PEERS AND FAMILY MEMBERS IN BECOMING CONTRIBUTING MEMBERS IN THE HOME, SCHOOL AND COMMUNITY.

PROGRAM: 20.0106 FAMILY/INDIVIDUAL HEALTH.
------------------------- AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO UNDERSTAND THE RELATED ASPECTS OF HEALTH IN THE FAMILY LIVING WITH SPECIAL EMPHASIS ON NUTRITION, EMOTIONAL HEALTH AND PHYSICAL HEALTH; THE RELATIONSHIP OF THE HEALTH OF AN INDIVIDUAL TO THE WELL-BEING OF THE FAMILY; THE PREVENTION OF ILLNESS; AND THE BASIC CARE OF THE ILL AND CONVALESCENT IN THE HOME, INCLUDING THE ELDERLY, THE YOUNG CHILD, AND THE HANDICAPPED.

PROGRAM: 20.0107 FAMILY LIVING AND PARENTHOOD.
----------------------------- AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO UNDERSTAND THE NATURE, FUNCTIONS, AND SIGNIFICANCE OF HUMAN RELATIONSHIPS WITHIN THE FAMILY/INDIVIDUAL UNITS. INCLUDES INSTRUCTION IN THE CONCEPTS AND PRINCIPLES RELATED TO VARIOUS FAMILY LIVING CONDITIONS; THE ESTABLISHMENT AND MAINTENANCE OF RELATIONSHIPS; AND THE PREPARATION FOR MARRIAGE, PARENTHOOD AND FAMILY LIFE. INSTRUCTION EMPHASIZES THE UNIQUENESS OF FAMILIES AND INDIVIDUALS, THE DEVELOPMENT AND SOCIALIZATION OF THE INDIVIDUALS, AND MEETING THE NEEDS AND INTERSTS OF INDIVIDUALS AND FAMILY MEMBERS.

PROGRAM: 20.0108 FOOD AND NUTRITION.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO UNDERSTAND THE PRINCIPLES OF NUTRITION; THE RELATIONSHIP OF NUTRITION TO HEALTH AND WELL-BEING; THE SELECTION, PREPARATION, AND CARE OF FOOD; MEAL MANAGEMENT TO MEET INDIVIDUAL AND FAMILY FOOD NEEDS AND PATTERNS OF LIVING; GOOD ECONOMICS AND ECOLOGY; AND OPTIMAL USE OF THE FOOD DOLLAR.

PROGRAM: 20.0109 HOME MANAGEMENT.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO UNDERSTAND THE ESTABLISHMENT AND MAINTENANCE OF A SATISFYING HOME AND FAMILY LIFE, INCLUDING DECISIONMAKING REGARDING HUMAN AND NONHUMAN RESOURCES. INCLUDES INSTRUCTION IN THE SOCIETAL AND ECONOMIC INFLUENCES ON INDIVIDUAL AND FAMILY MANAGEMENT; VALUES, GOALS, AND STANDARDS; FAMILY ECONOMICS; AND THE ORGANIZATION OF ACTIVITIES IN THE HOME AS A MEANS OF SUCCESSFULLY COMBINING THE ROLES OF HOMEMAKER AND WAGE EARNER.

PROGRAM: 20.0110 HOUSING, HOME FURNISHINIGS, AND EQUIPMENT.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO UNDERSTAND THE PHYSICAL, PSYCHOLOGICAL, AND SOCIAL INFLUENCES PERTAINING TO COMPLEX HOUSING DECISIONS REQUIRED FOR CREATING A DESIRABLE LIVING ENVIRONMENT. INCLUDES INSTRUCTION IN THE HUMAN AND ENVIRONMENTAL FACTORS INFLUENCING THE FORM AND USE OF HOUSING; THE VARIED TYPES OF HOUSING; COSTS; EXTERIOR AND INTERIOR DESIGN; HOME FURNISHINGS AND EQUIPMENT; AND THE SELECTION, USE, AND CARE OF AVAILABLE RESOURCES FOR ACHIEVING IMPROVED LIVING SPACE TO MEET INDIVIDUAL AND FAMILY NEEDS.

PROGRAM: 20.0199 CONSUMER AND HOMEMAKING EDUCATION, OTHER.

ANY INSTRUCTIONAL PROGRAM IN CONSUMER AND HOMEMAKING HOME ECONOMICS NOT DESCRIBED ABOVE.

PROGRAM: 20.0200 CHILD CARE AND GUIDANCE MANAGEMENT AND SERVICES.

A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS FOR OCCUPATIONS IN CHILD CARE AND GUIDANCE, FOSTER CARE/FAMILY DAY CARE, AND TEACHER ASSISTANCE, OFTEN UNDER THE SUPERVISION OF PROFESSIONAL PERSONNEL. INCLUDES INSTRUCTION IN CHILD GROWTH AND DEVELOPMENT; NUTRITION; PROGRAM PLANNING AND MANAGEMENT; SAFETY AND BEHAVIOR GUIDANCE; RECREATIONAL AND PLAY ACTIVITIES; CHILD ABUSE AND NEGLECT; PARENT-CHILD PERSONAL RELATIONSHIPS; LEARNING EXPERIENCES FOR CHILDREN; INTERPERSONAL RELATIONSHIPS; AND LAWS, REGULATIONS AND POLICIES RELATING TO CHILD-CARE SERVICES AND MAINTENANCE OF CHILDREN'S ENVIRONMENTS.

PROGRAM: 20.0201 CHILD CARE AND GUIDANCE MANAGEMENT AND SERVICES, GENERAL.

AN INSTRUCTIONAL PROGRAM THAT GENERALLY PREPARES INDIVIDUALS FOR OCCUPATIONS IN CHILD CARE AND GUIDANCE, FOSTER CARE/FAMILY DAY CARE, AND TEACHER ASSISTANCE, OFTEN UNDER THE SUPERVISION OF PROFESSIONAL PERSONNEL. INCLUDES INSTRUCTION IN CHILD GROWTH AND DEVELOPMENT; NUTRITION; PROGRAM PLANNING AND MANAGEMENT; SAFETY AND BEHAVIOR GUIDANCE; RECREATIONAL AND PLAY ACTIVTIES; CHILD ABUSE AND NEGLECT; PARENT-CHILD PERSONAL RELATIONSHIPS; LEARNING EXPERIENCES FOR CHILDREN; INTERPERSONAL RELATIONSHIPS; AND LAWS. REGULATIONS, AND POLICIES RELATING TO CHILD-CARE SERVICES AND MAINTENANCE OF CHILDREN'S ENVIRONMENTS.

PROGRAM: 20.0202 CHILD CARE AIDE/ASSISTING.

-------------------------- AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ASSIST WITH THE CARE AND GUIDANCE OF INFANTS AND YOUNG CHILDREN UNDER THE SUPERVISION OF PROFESSIONAL PERSONNEL. INCLUDES INSTRUCTION IN PLANNING, ORGANIZING, AND CONDUCTING ACTIVITIES WHICH PROMOTE PHYSICAL, INTERPERSONAL, MOTOR, MENTAL, AND SOCIAL GROWTH AND THE DEVELOPMENT OF ACCEPTABLE BEHAVIOR, CLEANLINESS, EATING, PLAYING, RESTING, AND TOILET HABITS. PROGRAMS PREPARE INDIVIDUALS AS CHILD-CARE ASSISTANTS TO ASSUME MAJOR RESPONSIBILITIES FOR CARING AND GUIDING THE DEVELOPMENT OF YOUNG CHILDREN, OR AS CHILD-CARE AIDES TO WORK UNDER THE DIRECTION OF CHILD-CARE ASSISTANTS OR PROFESSIONALS. ALSO INSTRUCTION IS GIVEN IN SUPERVISION OF OTHER CHILD-CARE PERSONNEL.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
099.227-010	CHILDREN'S TUTOR	4	2	4	5	L456	I		2390	25199	10206099	159
159.124-010	COUNSELOR, CAMP	4	2	4	6	L245	B		2033	25535	10243201	175
195.227-014	RECREATION LEADER	5	3	5	7	L5	B		2033	25535	10243201	175
301.677-010	CHILD MONITOR	3	2	3	3	L345	I	20.0100 20.0204	5060	44001	70081601	406
355.674-010	CHILD-CARE ATTENDANT, SCHOOL	3	1	2	3	M3456	I4	20.0204	5264	44077	70081602	468
359.667-010	CHAPERON	3	2	2	2	L56	I		5269	44011	70080606	469
359.677-010	ATTENDANT, CHILDREN'S INSTITUTION	3	2	3	3	M456	I5		5264	44077	70081602	468
359.677-018	NURSERY SCHOOL ATTENDANT	3	2	3	4	M345	B5	20.0205	5264	44001	70081601	468
359.677-026	PLAYROOM ATTENDANT	3	2	3	3	L345	I		5264	44001	70081601	468

PROGRAM: 20.0203 CHILD CARE MANAGEMENT.

---------------------- AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO DEVELOP AND MANAGE EFFECTIVE CHILD CARE PROGRAMS BY PROVIDING INSTRUCTION IN THE MANAGEMENT OF FINANCAL OPERATIONS; SELECTING AND/OR DEVELOPING FACILITIES; SELECTING STAFF AND STAFFING PATTERNS; PROVIDING STAFF DEVELOPMENT OPPORTUNITIES; DEVELOPING A TOTAL PROGRAM FOR CHILDREN; AND WORKING WITH PARENTS, COMMUNITY AGENCIES AND ORGANIZATIONS, AND OTHERS CONCERNED WITH CHILDREN.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
092.137-010	DIRECTOR, PRESCHOOL	4	3	4	7	S5	I		1283	19000	20061699	014
092.227-018	TEACHER, PRESCHOOL	4	2	3	6	L3456	I		2310	25115	10203002	155
099.117-010	DIRECTOR, EDUCATIONAL PROGRAM	5	3	5	8	S5	I		1283	19000	20061699	014
099.117-026	SUPERVISOR, EDUCATION	5	3	5	8	L5	I		1283	25546	10243801	014
187.117-014	DIRECTOR, COMMUNITY ORGANIZATION	5	5	5	8	S5	I		1270	19000	20061699	019
187.117-046	PROGRAM DIRECTOR, GROUP WORK	5	5	5	8	L56	I	01.0206	1270	19000	20061699	019
187.167-186	RESIDENCE SUPERVISOR	4	3	4	6	S45	I	20.0204	5264	29000	10243899	468
195.117-010	ADMINISTRATOR, SOCIAL WELFARE	6	3	6	8	S5	I		1270	19000	20061699	019

PROGRAM: 20.0204 FOSTER CARE/FAMILY CARE.

-------------------------- AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ASSUME THE DUTIES OF A FOSTER PARENT OR SKILLED FAMILY DAY CARE WORKER UNDER THE SUPERVISION OF THE SPONSORING AGENCY. INCLUDES INSTRUCTION IN CHILD GROWTH AND DEVELOPMENT; SPECIAL NEEDS OF DEPRIVED OR HANDICAPPED CHILDREN; HEALTH AND SAFETY; NUTRITION; PROGRAM/PLAY ACTIVITIES; PARENTAL INVOLVEMENT; AND LAWS, REGULATIONS, AND POLICIES RELATED TO FAMILY DAY CARE SERVICES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
187.167-186	RESIDENCE SUPERVISOR	4	3	4	6	S45	I	20.0203	5264	29000	10243899	468
301.677-010	CHILD MONITOR	3	2	3	3	L345	I	20.0100 20.0202	5060	44001	70081601	406
301.687-014	DAY WORKER	2	1	1	2	M34	I	20.0606	5020	00000	70121099	407
309.354-010	HOMEMAKER	4	2	4	5	L45	I	20.0100 20.0606	5263	44080	70083000	467
309.677-014	FOSTER PARENT	3	2	3	3	M345	I		5060	00000	70120200	406
355.674-010	CHILD-CARE ATTENDANT, SCHOOL	3	1	2	3	M3456	I4	20.0202	5264	44077	70081602	468
359.573-010	BLIND AIDE	3	2	2	3	L456	B	17.0405 20.0607	5263	49000	70200099	467

PROGRAM: 20.0205 TEACHER AIDE.

------------- AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ASSIST A TEACHER IN CONDUCTING AND CARRYING OUT THE OBJECTIVES OF A CHILD CARE PROGRAM(S) WITHIN THE CONTEXT OF THE SCHOOL OR PARTICULAR SETTING. INCLUDES INSTRUCTION IN PROGRAM PLANNING FOR A CHILD'S DEVELOPMENT, PLAYGROUND ACTIVITIES, THE HEALTH AND SAFETY OF CHILDREN, AND ADMINISTRATIVE AND MANAGERIAL ACTIVITIES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
099.327-010	TEACHER AIDE 1	4	4	4	6	S56	I		3990	61410	40065600	235
219.467-010	GRADING CLERK	4	3	3	3	S4	I	07.0502	4795	61410	40065600	387
249.367-074	TEACHER AIDE 2	3	3	3	3	S5	I	07.0502	4795	61410	40065600	387
359.677-018	NURSERY SCHOOL ATTENDANT	3	2	3	4	M345	B5	20.0202	5264	44001	70081601	468

PROGRAM: 20.0299 CHILD CARE AND GUIDANCE MANAGEMENT AND SERVICES, OTHER.

-- ANY INSTRUCTIONAL PROGRAM IN CHILD CARE AND GUIDANCE MANAGEMENT AND SERVICES NOT DESCRIBED ABOVE.

PROGRAM: 20.0300 CLOTHING, APPAREL, TEXTILES MANAGEMENT, PRODUCTION, AND SERVICES.

--- A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS FOR OCCUPATIONS CONCERNED WITH THE ENTIRE SPECTRUM OF CLOTHING APPAREL, AND TEXTILES MANAGEMENT, PRODUCTION, AND SERVICES, INCLUDING BUT NOT LIMITED TO CONSTRUCTION; FABRIC CARE; PATTERN DESIGN; PRINCIPLES IN CLOTHING CONSTRUCTION AND SELECTION; FITTING AND ALTERATIONS OF READY-TO-WEAR GARMENTS; CUSTOM TAILORING; CLOTHING MAINTENANCE, AND TEXTILES TESTING.

PROGRAM: 20.0301 CLOTHING, APPAREL, AND TEXTILES MANAGEMENT, PRODUCTION, AND SERVICES, GENERAL.

AN INSTRUCTIONAL PROGRAM THAT GENERALLY PREPARES INDIVIDUALS FOR OCCUPATIONS CONCERNED WITH THE ENTIRE SPECTRUM OF CLOTHING, APPAREL, AND TEXTILES MANAGEMENT, PRODUCTION, AND SERVICES, INCLUDING BUT NOT LIMITED TO CONSTRUCTION; FABRIC AND FABRIC CARE; PATTERN DESIGN; PRINCIPLES IN CLOTHING CONSTRUCTION AND SELECTION; FITTING AND ALTERATIONS OF READY-TO-WEAR GARMENTS; CUSTOM TAILORING; CLOTHING MAINTENANCE; AND TEXTILES TESTING.

PROGRAM: 20.0302 CLOTHING MAINTENANCE AIDE.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO REPAIR AND CLEAN GARMENTS AND ACCESSORIES ACCORDING TO CUSTOMER PREFERENCES. INCLUDES INSTRUCTION IN EXAMINING GARMENTS TO DETERMINE TYPES OF REPAIR, ALTERATION, OR CLEANING NEEDED; FITTING AND MARKING GARMENTS FOR PROPER REPAIRS; MAKING REPAIRS; ASSISTING WITH LAUNDERING AND DRYCLEANING OF GARMENTS; PRESSING GARMENTS; LABELING AND BAGGING GARMENTS; ASSISTING IN KEEPING RECORDS; KEEPING SHOP ORDERLY AND CLEAN; AND CONSTRUCTING GARMENTS IN COMMERCIAL GARMENT OR APPAREL FACTORIES AS NEEDED.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
187.167-194	SUPERINTENDENT, LAUNDRY	4	4	4	7	L5	I	12.0103	1359	19000	20061699	019
216.482-030	LAUNDRY PRICING CLERK	3	3	2	3	S46	I		4363	61324	40066898	275
309.674-014	PERSONAL ATTENDANT	2	2	2	3	L45	I	20.0100 20.0602 20.0606	5090	00000	70121099	407
346.361-010	WARDROBE SUPERVISOR	3	2	3	7	L456	I	20.0304	5258	59001	50144899	469
346.674-010	DRESSER	2	2	2	3	L46	I		5258	49000	70200099	469
361.137-010	SUPERVISOR, LAUNDRY	3	3	3	6	L456	I4	12.0103	6700	55B29	50040003	633
361.137-010	SUPERVISOR, LAUNDRY	3	3	3	6	L456	I4	20.0605	6700	55B29	50040003	633
361.665-010	WASHER, MACHINE	3	2	2	4	M34	I45	12.0103 20.0605	7658	53004	61082804	748
361.684-010	LAUNDERER, HAND	2	1	2	2	M4	I4	12.0103	7658	53011 59003	61082809 80002899	748
361.684-014	LAUNDRY WORKER 1	2	1	1	2	M4	I4	12.0103	7658	59003	80002899	748
361.684-018	SPOTTER	3	1	1	3	L46	I	12.0103	7759	53003	61082803	795
361.685-018	LAUNDRY WORKER 2	2	1	1	2	M34	I345	12.0103 20.0605	7658	59003	80002899	748
361.685-022	PATCHING-MACHINE OPERATOR	1	1	1	2	L46	I	12.0103 20.0605	7658	59003	80002899	748
361.687-026	SHAKER, WEARING APPAREL	1	1	1	2	L4	I4		8769	59003	80002899	889
362.381-010	SPOTTER	3	2	2	4	L46	I46	12.0102	6855	53002	61082802	748
362.382-010	DRY-CLEANER APPRENTICE	3	2	2	5	M346	I47	12.0102	7658	53006	61082806	748
362.382-014	DRY CLEANER	3	2	2	5	M346	I47	12.0102	7658	53006	61082806	748
362.684-010	DRY CLEANER, HAND	2	1	1	3	M346	I47	12.0102	7759	53008	61082807	795
362.684-014	FUR CLEANER	3	2	2	5	L346	I7	12.0102	7658	53017	61082810	748
362.684-018	FUR CLEANER, HAND	3	1	2	5	L46	I7	12.0102	7759	53017	61082810	795
362.684-026	LEATHER CLEANER	3	2	2	3	L346	I45	12.0102	7658	59002	63000000	748
362.686-010	DRY-CLEANER HELPER	2	1	1	2	M34	I45	12.0102	8617	59003	80002899	873
362.687-010	GLOVE CLEANER, HAND	2	1	2	2	L46	I4	12.0102	8769	53008	61082807	889
362.687-014	LINING SCRUBBER	1	1	1	2	L4	I7	12.0102	8769	53008	61082807	889
363.681-010	SILK FINISHER	3	1	2	4	L4	I34567	12.0102	6855	53015	61081202	748

*** PROGRAM: 20.0302 CLOTHING MAINTENANCE AIDE. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
363.682-010	LEATHER FINISHER	3	1	2	4	L46	I57	12.0102	7657	53015	61081202	747
363.682-014	PRESSER, ALL-AROUND	2	2	1	3	M34	I3456	12.0102	7657	53015	61081202	747
363.682-018	PRESSER, MACHINE	2	1	1	2	L34	I346	12.0102 12.0103	7657	53015	61081202	747
363.684-010	BLOCKER	3	2	1	3	L346	I34567	12.0102	7657	53014	61081201	747
363.684-014	HAT BLOCKER	3	1	1	4	L46	I46	12.0102	7657	59002	63000000	747
363.684-018	PRESSER, HAND	2	1	1	2	L46	I3456	12.0102 12.0103	7759	53014	61081201	795
363.685-010	PRESS OPERATOR	2	1	1	2	L34	I34	12.0103	7657	53016	61081203	747
363.685-014	PRESSER, AUTOMATIC	2	1	1	3	L46	I4	12.0103	7657	53016	61081203	747
363.685-018	PRESSER, FORM	2	2	1	2	L4	I34567	12.0102 12.0103	7657	53016	61081203	747
363.685-022	PRESSER, HANDKERCHIEF	1	1	1	2	L4	I4	12.0103	7657	53016	61081203	747
363.685-026	SHIRT PRESSER	2	1	1	2	L46	I346	12.0103	7657	53016	61081203	747
363.687-014	IRONER, SOCK	1	1	1	1	L4	I34	12.0103	8769	53016	61081203	889
363.687-018	PUFF IRONER	1	1	1	1	L4	I	12.0103	8769	53016	61081203	889
369.137-010	SUPERVISOR, DRY CLEANING	4	3	3	7	M456	I5	12.0102	6700	55B29	50040003	633
369.384-010	HATTER	3	1	2	6	L46	I4	12.0102	7759	59002	63000000	795
369.467-010	MANAGER, BRANCH STORE	3	2	2	3	L45	B	08.0203 12.0102 12.0103	4363	61324	40066898	275
369.477-014	SERVICE-ESTABLISHMENT ATTENDANT	3	2	2	3	L45	I	08.0203 08.0903	4363	61324	40066898	275
369.677-010	SELF-SERVICE-LAUNDRY-AND-DRY-CLEANING AT	3	1	3	2	M456	I	12.0102 12.0103	4363	61324	40066898	275
369.684-014	LAUNDRY OPERATOR	2	1	2	3	M4	I3456	12.0103	7658	53011	61082809	748
369.685-014	FUR CLEANER, MACHINE	2	1	2	3	L46	I	12.0102	7658	53017	61082810	748
369.685-034	TUMBLER OPERATOR	2	1	1	2	M4	I4	12.0102	7659	53005	61082805	749
369.687-010	ASSEMBLER	2	1	2	3	L46	I	12.0102 12.0103	7850	53001	61082801	799
369.687-014	CHECKER	2	1	1	2	M46	I	12.0102 12.0103	7820	53001	61082801	796
369.687-018	FOLDER	2	1	1	2	L4	I4	12.0103	8769	55B30	61082818	889
369.687-022	INSPECTOR	2	1	2	3	L46	I	12.0102 20.0304	7820	55B58	50142202	796
369.687-026	MARKER	2	1	1	2	M4	I4	12.0102 12.0103	8769	53001	61082801	889
582.684-014	SPOT CLEANER	2	1	2	3	L46	I	12.0102 12.0103	7759	55P80	63000000	795
589.685-038	DRY CLEANER	2	1	1	2	L46	I	12.0102	7659	53006	61082806	749
782.381-022	WEAVER, HAND	3	2	2	5	S46	I		6859	59001	50144899	674
782.687-038	RIPPER	2	1	1	2	L46	I	20.0303	8769	55Q62	61089071	889
783.387-010	FUR-REPAIR INSPECTOR	3	2	2	8	L46	I	20.0304 20.0305	7820	55B58	50142202	796
787.682-030	MENDER	3	1	2	4	L46	I	20.0502	6179	55B96	61085204	547
789.687-078	GARMENT-ALTERATION EXAMINER	3	1	1	4	L46	I		7820	55B58	50142202	796
920.687-018	BAGGER	1	1	1	1	L4	I	12.0102 12.0103	8761	55C39	61060802	888

PROGRAM: 20.0303 COMMERCIAL GARMENT AND APPAREL CONSTRUCTION. AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO DESIGN AND CONSTRUCT READY-TO-WEAR GARMENTS AND APPAREL. INCLUDES INSTRUCTION IN DESIGNING AND DRAFTING PATTERNS FOR STANDARDIZED SIZES; SELECTING APPROPRIATE FABRIC; CUTTING OF FABRIC WITH COMMERCIAL CUTTING EQUIPMENT; STITCHING ON COMMERCIAL POWER SEWING EQUIPMENT; APPLYING FINISHES AND NOTIONS TO GARMENTS AND APPAREL; AND PRESSING AND PACKING GARMENTS OR APPAREL.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
142.061-014	CLOTH DESIGNER	4	3	4	7	S456	I	15.0609 48.0203	3220	25489	10221001	183
142.061-018	CLOTHES DESIGNER	5	3	5	7	L456	I	20.0306 48.0203	3220	25489	10221001	183
142.081-014	FUR DESIGNER	4	2	4	7	L456	I	48.0203	3220	25528	10221003	183
221.482-010	FABRIC-AND-ACCESSORIES ESTIMATOR	3	3	3	3	S4	I		4752	62900	40066899	363
369.685-030	SHIRT-FOLDING-MACHINE OPERATOR	2	1	2	2	L4	I	12.0103	7659	55582	61086618	749
580.684-010	BLOCKER, HAND 1	2	1	2	3	L46	I34		7755	55J71	61081205	787
580.684-014	BLOCKER, HAND 2	2	1	2	2	L46	I34		7755	55J71	61081205	787
580.685-010	BRIM-STRETCHING-MACHINE OPERATOR	2	1	1	3	L4	I5		7659	59002	63000000	749
580.685-018	COLLAR-TURNER OPERATOR	2	1	2	2	L46	I		7659	59003	80002899	749
580.685-026	HAT-BLOCKING-MACHINE OPERATOR 1	2	1	1	4	L46	I45		7659	59002	63000000	749
580.685-030	HAT-BLOCKING-MACHINE OPERATOR 2	1	1	1	2	M4	I		7659	59003	80002899	749
580.685-038	HYDRAULIC BLOCKER	2	1	2	4	L46	I		7659	59002	63000000	749
580.685-042	MOLDER	2	1	1	4	L46	I		7659	59002	63000000	749
580.685-046	ROLLER OPERATOR	2	1	2	2	L4	I		7659	59003	80002899	749
580.685-050	STAKER, MACHINE	2	1	1	2	L46	I		7659	55P91	61087809	749
580.685-054	STRETCHER	2	1	1	2	M46	I		7659	59003	80002899	749
580.685-062	TIP STRETCHER	2	1	1	2	L4	I45		7659	59003	80002899	749
581.685-014	DRIER	2	1	2	3	L46	I		7675	55538	61087294	766
582.585-014	DYE-TUB OPERATOR	2	1	2	3	M346	I45		7659	55I14	61082207	749
582.685-034	COLORING-MACHINE OPERATOR	3	2	2	3	L46	I		7659	59002	63000000	749
582.685-078	GARMENT STEAMER	2	1	1	2	L4	I		7659	59003	80002899	749
582.685-082	GREASER OPERATOR	2	1	1	3	L4	I5		7659	59002	63000000	749
583.137-010	SUPERVISOR, PLEATING	4	3	3	8	L456	I		7100	55B29	50040003	633
583.684-010	PLEATER, HAND	2	1	2	3	L46	I		7755	59002	63000000	787
583.684-014	WAIST PLEATER	2	1	2	4	L46	I4		7755	59002	63000000	787
583.685-014	BRIM CURLER	2	1	1	2	L4	I5		7659	59003	80002899	749
583.685-018	BRIM PRESSER 1	2	1	2	2	L46	I		7657	59003	80002899	747
583.685-022	BRIM-AND-CROWN PRESSER	2	1	2	2	L46	I5		7657	59003	80002899	747
583.685-042	FOLDING-MACHINE OPERATOR	2	1	1	2	L4	I		7659	55582	61086618	749
583.685-046	FUSING-MACHINE TENDER	1	1	1	2	L46	I5		7659	55J20 59003	61086614 80002899	749
583.685-050	HAT-LINING BLOCKER	2	1	1	2	L46	I		7657	59003	80002899	747
583.685-054	HYDRAULIC-PRESS OPERATOR	2	1	1	2	L4	I		7657	59003	80002899	747
583.685-066	LEATHER ETCHER	3	2	3	3	L46	I		7659	59002	63000000	749
583.685-070	MANGLER	2	1	2	2	L4	I		7657	55P07	61081208	747
583.685-086	PRESS OPERATOR	2	1	1	4	L46	I5		7657	55F44	61086604	747
583.685-098	SEAM PRESSER	2	1	1	3	L46	I		7657	53015	61081202	747
583.685-102	SHAPER AND PRESSER	2	1	1	2	L46	I		7657	55P07	61081208	747
583.685-106	STEAM-PRESS TENDER	2	1	2	3	M46	I		7657	55F44	61086604	747
583.685-110	STRAW-HAT PRESSER, MACHINE	2	1	1	2	L46	I		7657	59003	80002899	747

*** PROGRAM: 20.0303 COMMERCIAL GARMENT AND APPAREL CONSTRUCTION. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
583.685-114	STRAW-HAT-PLUNGER OPERATOR	2	1	2	2	M4	I		7657	59003	80002899	747
583.685-122	TRIMMING-MACHINE OPERATOR	2	1	1	2	L4	I		7651	59003	80002899	738
583.686-010	BEAD-MACHINE OPERATOR	2	1	2	2	L4	I		7659	55E56	61087626	749
585.565-010	CORDUROY-CUTTER OPERATOR	2	1	2	3	M346	I57		7659	55T66	61081403	749
585.685-010	BRIM-POUNCING-MACHINE OPERATOR	2	1	2	3	L4	I5		7659	59002	63000000	749
585.685-014	BUFFER	2	1	2	3	L46	I5		7659	55L73	61041018	749
585.685-046	FUR-CUTTING-MACHINE OPERATOR	2	1	2	2	L46	I5		7654	59003	80002899	743
585.685-058	JIGGER-CROWN-POUNCING-MACHINE OPERATOR	2	1	1	3	L4	I5		7659	59002	63000000	749
585.685-062	LABEL PINKER	2	1	1	2	L46	I		7654	55T66	61081403	743
585.685-066	MELLOWING-MACHINE OPERATOR	2	1	1	2	L46	I5		7659	59003	80002899	749
585.685-074	POUNCING-LATHE OPERATOR	2	1	2	2	L46	I5		7659	59003	80002899	749
585.685-086	ROUNDING-MACHINE OPERATOR	2	1	1	2	L46	I5		7659	55T66	61081403	749
585.685-122	SWEATBAND SEPARATOR	2	1	1	2	L4	I		7659	59003	80002899	749
587.685-026	DUSTER	2	1	1	2	L46	I5		7659	59003	80002899	749
589.130-014	FABRIC-COATING SUPERVISOR	4	3	3	8	L3456	I57		7100	55B29	50040003	633
589.685-062	HAT FINISHER	2	2	2	4	L46	I		7659	59002	63000000	749
589.687-014	CLOTH FOLDER, HAND	2	1	2	2	L46	I		7759	55S81	61041028	795
589.687-038	STIFFENER	2	1	1	3	L46	I47		8769	59002	63000000	889
599.685-014	BRAN MIXER	2	1	1	2	H4	I7		7664	59003	80002899	756
599.685-018	CENTRIFUGE OPERATOR, PLASMA PROCESSING	2	2	2	2	L46	I		7666	59003	80002899	757
683.130-022	WEAVING SUPERVISOR	4	3	4	8	L456	I5		7100	55B29	50040003	633
684.137-010	SUPERVISOR	4	2	2	7	L456	I		7100	55B29	50040003	633
684.687-010	PAIRER	3	2	1	4	L46	I		7850	59002	63000000	799
685.130-010	SUPERVISOR, KNITTING	4	3	3	7	M456	I5		7100	55B29	50040003	633
685.665-010	KNITTER, FULL-FASHIONED GARMENT	2	1	1	4	L4	I5		7652	55K45	61040402	739
685.682-010	CROCHET-MACHINE OPERATOR	3	2	2	4	L46	I5		7652	59002	63000000	739
685.687-014	CUFF FOLDER	1	1	1	2	L4	I		8769	55S81	61041028	889
686.462-010	DIE-CUTTING-MACHINE OPERATOR, AUTOMATIC	3	1	2	4	L46	I		7654	55H64	61081424	743
686.585-010	CUTTING-MACHINE OPERATOR	2	1	2	2	H34	I		7654	55T66	61081403	743
686.682-014	BIAS-CUTTING-MACHINE OPERATOR	3	1	2	4	M4	I5		7654	55T66	61081403	743
686.682-018	FELT-CUTTING-MACHINE OPERATOR	3	2	2	4	M46	I		7654	55T66	61081403	743
686.685-010	CHIN-STRAP CUTTER	2	1	1	2	L4	I5		7654	55T66	61081403	743
686.685-018	CUFF CUTTER	2	1	2	3	M346	I5		7654	55T66	61081403	743
686.685-030	FOLDER	2	1	2	2	L46	I		7659	55S82	61086618	749
686.685-038	PERFORATING-MACHINE OPERATOR	2	1	2	2	L46	I5		7659	55G16	61085407	749
686.685-042	PINKING-MACHINE OPERATOR	2	1	2	3	L46	I		7654	55T66	61081403	743
686.685-054	RIVET-HOLE PUNCHER	2	1	1	2	L46	I		7659	59003	80002899	749
686.685-058	SCALLOP CUTTER, MACHINE	2	1	2	2	L46	I5		7654	55T66	61081403	743
686.685-066	STRIP-CUTTING-MACHINE OPERATOR	2	1	1	2	H46	I		7654	55T66	61081403	743
686.685-074	WELT-TRIMMING-MACHINE OPERATOR	3	1	2	3	L4	I5		7654	55T66	61081403	743
689.130-010	EMBROIDERY SUPERVISOR	4	3	4	7	L456	I5		6700	55B29	50040003	633
689.380-010	EMBLEM DRAWER-IN	3	2	3	3	L46	I		7459	59001	50144899	749
689.585-018	STRINGING-MACHINE TENDER	2	1	2	2	S4	I5		7659	59003	80002899	749
689.662-014	STRIPE MATCHER	3	2	2	3	M46	I5		7655	55C79	61085215	744
689.665-010	STRAP BUCKLER, MACHINE	2	1	2	3	L46	I		7659	59002	63000000	749
689.665-014	THREAD-CUTTER TENDER	3	1	2	2	L46	I567		7654	55T66	61081403	743
689.682-014	NEEDLE-PUNCH-MACHINE OPERATOR	2	1	2	3	L46	I5		7659	59002	63000000	749
689.682-022	STITCHER	3	2	2	4	L46	I5		7655	55C79	61085215	744
689.685-074	HELMET COVERER	2	1	1	3	L4	I5		7659	59002	63000000	749
689.685-086	LABEL-CUTTING-AND-FOLDING-MACHINE OPERAT	2	1	1	2	L46	I5		7659	55T66	61081403	749

*** PROGRAM: 20.0303 COMMERCIAL GARMENT AND APPAREL CONSTRUCTION. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
690.686-034	FOLDING-MACHINE OPERATOR	1	1	1	2	L46	I		8725	55S82	61086618	878
690.686-062	SWEATBAND-CUTTING-MACHINE OPERATOR	1	1	1	2	L46	I5		8725	55T66	61081403	878
699.682-014	CUTTER	3	2	2	4	M46	I5		7654	59002	63000000	743
699.685-010	BUTTON-ATTACHING-MACHINE OPERATOR	2	1	1	2	L46	I5		7659	55S70	63000000	749
712.281-014	DESIGNER	4	2	3	6	L46	I		6859	59001	50144899	674
734.687-094	ZIPPER TRIMMER, HAND	2	2	2	2	L46	I		7850	59003	80002899	799
781.131-010	SUPERVISOR, PATTERN MARKING	4	3	3	7	L456	I		7100	55B29	50040003	633
781.134-010	SUPERVISOR, CUTTING DEPARTMENT	4	3	3	6	L456	I		7100	55B29	50040003	633
781.287-010	CLOTHING-PATTERN PREPARER	4	4	3	6	S46	I	20.0304	7759	59002	63000000	795
781.381-010	CARTOON DESIGNER	4	3	3	7	S46	I	48.0203	6856	59001	50144899	673
781.381-022	PATTERN GRADER-CUTTER	3	3	3	6	L46	I		6856	55M04	61081431	673
781.381-026	PATTERNMAKER	4	4	4	7	L346	I		6856	55M08	63000000	673
781.384-014	MARKER 1	3	2	2	4	L46	I		7759	55S77	61089092	795
781.484-010	PLEAT PATTERNMAKER	3	3	2	5	L46	I		7720	55M08	63000000	785
781.584-010	CUTTER APPRENTICE, HAND	3	1	2	5	L46	I	48.0303	7753	55S78	63000000	786
781.584-014	CUTTER, HAND 1	3	1	2	5	L46	I	20.0502	7753	55S78	63000000	786
781.667-010	ASSEMBLER	2	1	2	2	L46	I		7850	55F29	61060803	799
781.682-010	TRIMMER, MACHINE	2	1	1	2	L46	I5		7654	55T66	61081403	743
781.684-014	CUTTER, MACHINE 1	3	2	2	5	M346	I	20.0502 48.0303	7753	55H25	61081417	786
781.684-026	DRAPER	3	2	3	4	L46	I		7820	55H84	61089017	796
781.684-042	PERFORATOR	2	1	1	3	L46	I		7720	59002	63000000	785
781.684-054	SLITTER	2	1	1	2	L4	I		7753	55P49	63000000	786
781.684-062	WASTE SALVAGER	3	1	2	3	L46	I		7850	59002	63000000	799
781.685-010	SPREADER, MACHINE	2	1	1	3	H46	I		7659	55P84	63000000	749
781.687-010	ASSEMBLER	2	1	2	3	L46	I		7850	55F29	61060803	799
781.687-014	CLOTH EXAMINER, HAND	2	1	1	3	L46	I		7820	55B58	50142202	796
781.687-018	CLOTH TEARER	2	1	1	2	M46	I		8769	59003	80002899	889
781.687-022	CUTTER HELPER	2	1	1	2	L4	I		8769	59003	80002899	889
781.687-026	CUTTER, HAND 2	2	1	1	2	L4	I		8769	55S78	63000000	889
781.687-030	CUTTER, HAND 3	1	1	1	2	M4	I		7740	55S78	63000000	785
781.687-034	GLOVE-PARTS INSPECTOR	3	1	2	4	L46	I		7820	55B58	50142202	796
781.687-038	GOODS LAYER	2	1	1	2	M4	I5		8724	59003	80002899	877
781.687-042	MARKER	2	1	1	2	L46	I		7759	55S77	61089092	795
781.687-046	MARKING STITCHER	2	1	1	2	L4	I		7759	55S77	61089092	795
781.687-058	SPREADER 1	2	1	1	2	M4	I		8769	55P84	63000000	889
781.687-062	STAMPER	2	1	1	2	L46	I		8769	55T79	63000000	889
781.687-066	STENCILER	2	1	1	2	L46	I		8769	55S77	61089092	889
781.687-070	TRIMMER, HAND	2	1	1	2	L46	I		7753	55Q62	61089071	786
782.361-014	EMBROIDERY PATTERNMAKER	4	3	3	6	L46	I		6856	55M08	63000000	673
782.381-010	HAT TRIMMER	3	1	2	5	L46	I		6859	59002	63000000	674
782.684-014	CROCHETER, HAND	3	1	2	5	L46	I	20.0304	7759	55J75	63000000	795
782.684-018	EMBROIDERER, HAND	3	1	2	5	L46	I	20.0304	7759	55I28	63000000	795
782.684-034	KNITTER, HAND	3	3	2	5	L46	I	20.0304	7720	59002	63000000	785
782.684-038	MATCH-UP WORKER	2	1	1	4	L46	I		6179	59002	63000000	547
782.684-046	MENDER, KNIT GOODS	3	1	1	3	L346	I		6179	55B96	61085204	547
782.684-050	PASSEMENTERIE WORKER	2	1	1	4	L46	I	20.0304	7752	55J75	63000000	674
782.684-054	PINNER	2	1	1	3	L4	I		7756	59002	63000000	789

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*** PROGRAM: 20.0303 COMMERCIAL GARMENT AND APPAREL CONSTRUCTION. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION		GED			S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
CODE	TITLE	R	M	L								
782.687-010	BASTING PULLER	1	1	1	2	L46	I	20.0304	8769	55Q62	61089071	889
782.687-014	BUTTONER	1	1	1	1	L4	I		8769	59003	80002899	889
782.687-022	ELASTIC-TAPE INSERTER	2	1	1	2	L4	I		7720	59003	80002899	785
782.687-026	PINNER	1	1	1	2	L46	I		8769	59003	80002899	889
782.687-034	RAVELER	1	1	1	1	L46	I		8769	59003	80002899	889
782.687-038	RIPPER	2	1	1	2	L46	I	20.0302	8769	55Q62	61089071	889
782.687-050	SECONDS HANDLER	2	1	1	2	L46	I		7850	59003	80002899	799
782.687-054	TAPE STRINGER	1	1	1	1	L46	I		7749	59003	80002899	785
782.687-058	THREAD MARKER	2	1	2	2	L4	I		7752	55J75	63000000	667
783.131-010	SUPERVISOR, FURRIER SHOP	4	3	4	7	L456	I		6700	55B29	50040003	633
783.132-010	SUPERVISOR	4	3	4	5	L456	I5		7100	55B29	50040003	633
783.261-010	FURRIER	4	3	3	8	L456	I5		6859	25528	10221003	674
783.381-010	FUR CUTTER	3	3	2	7	L46	I		6859	55J08	50141600	674
783.381-014	FUR FINISHER	3	2	2	6	L46	I5		6859	55J09	61085211	674
783.384-010	FUR SORTER	3	1	2	7	L46	I		7850	55T61	61060401	799
783.682-010	FUR-MACHINE OPERATOR	3	2	2	6	L46	I		7655	55C78	61085205	744
783.682-014	SEWING-MACHINE OPERATOR	3	1	1	4	M46	I5	47.0406	7655	55C78	61085205	744
783.684-010	ASSEMBLER, LEATHER GOODS 1	3	2	3	3	L46	I5		7720	55F68	61080406	785
783.684-014	FUR NAILER	3	2	2	6	L46	I		7720	55J10	61089025	785
783.684-018	INSPECTOR-REPAIRER	3	2	2	3	L46	I		7820	55B58	50142202	796
783.684-022	LEATHER CUTTER	3	2	2	4	L46	I	47.0406	7753	55S78	63000000	786
783.685-014	CREASER	3	1	2	4	L46	I5		7659	59002	63000000	749
783.685-022	LAMINATOR 2	2	1	1	2	L46	I5		7659	59003	80002899	749
783.685-026	MARKING-MACHINE TENDER	2	1	1	2	L46	I5		7659	59003	80002899	749
783.687-010	ASSEMBLER, LEATHER GOODS 2	2	1	2	2	L46	I5		7720	55E22	61080440	785
783.687-014	FUR TRIMMER	2	1	2	3	L46	I		7753	55S78	63000000	786
783.687-026	PASTER, HAND OR MACHINE	2	1	1	2	L4	I		7720	55T65	63000000	785
783.687-030	TABLE WORKER	1	1	1	1	L46	I5		8769	59003	80002899	889
784.130-010	SUPERVISOR, CAP-AND-HAT PRODUCTION	4	3	4	7	L456	I		7100	55B29	50040003	633
784.132-010	SUPERVISOR	4	3	3	7	L456	I		7100	55B29	50040003	633
784.261-010	MILLINER	4	2	2	6	L46	I	20.0304	6859	55L32	61083400	674
784.361-010	PATTERNMAKER	4	3	3	7	L46	I		6856	55M08	63000000	673
784.387-010	INSPECTOR	2	1	1	3	L46	I		7820	55B58	50142202	796
784.387-014	LEATHER GRADER	3	2	2	5	M46	I5		7850	55P63	61060405	799
784.587-010	HAT-BODY SORTER	2	1	2	2	L46	I		7850	59003	80002899	799
784.682-010	GLOVE SEWER	3	1	2	4	L46	I		7655	55C78	61085205	744
784.682-014	HAT-AND-CAP SEWER	3	1	1	3	L46	I		7655	55C78	61085205	744
784.684-010	BOW MAKER	2	1	2	3	L46	I		7753	59002	63000000	786
784.684-014	BRIM IRONER, HAND	2	1	1	2	L46	I		7759	55J71	61081205	795
784.684-018	CAP MAKER	2	1	2	4	L46	I		7755	55F51	61085208	787
784.684-022	DECORATOR	2	1	2	3	L46	I		7752	59002	63000000	674
784.684-026	FLANGER	2	1	2	2	L4	I		7755	55J71	61081205	787
784.684-030	FOUNDATION MAKER	2	1	2	2	L46	I		7720	55J71	61081205	785
784.684-034	HARDENER	2	1	2	4	L46	I4		7720	59002	63000000	785
784.684-038	HAT BRAIDER	2	1	1	3	L46	I		7720	55L32	61083400	785
784.684-042	HAT MAKER	3	1	2	5	L46	I		7752	55L32	61083400	674
784.684-046	MENDER	2	1	1	3	L46	I		6179	55B96	61085204	547
784.684-050	ROUNDER, HAND	2	1	1	2	L46	I		7753	55S78	63000000	786
784.684-054	SIZER, HAND	2	1	1	3	L46	I4		7755	55L32	61083400	787
784.684-058	SIZER, MACHINE	2	1	1	2	L4	I45		7679	55L32	61083400	777

*** PROGRAM: 20.0303 COMMERCIAL GARMENT AND APPAREL CONSTRUCTION. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED			SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
		R	M	L								
784.684-062	SLICKER	2	1	1	3	L46	I		7759	59002	63000000	795
784.684-066	SMOOTHER	1	1	1	2	L4	I5		7755	59003	80002899	787
784.684-074	TOP-HAT-BODY MAKER	2	1	1	3	L46	I		7720	55L32	61083400	785
784.684-078	TRIMMER	2	1	1	2	L46	I		7720	55L32	61083400	785
784.685-010	BAND-AND-CUFF CUTTER	2	1	1	2	L46	I		7654	55T66	61081403	743
784.685-014	BRIM STITCHER 1	2	1	1	2	L46	I		7655	55C79	61085215	744
784.687-018	CROWN POUNCER, HAND	2	1	1	3	L4	I		7759	59002	63000000	795
784.687-026	ENDBAND CUTTER, HAND	2	1	1	2	L46	I		8769	55S78	63000000	889
784.687-030	FLOORWORKER- DISTRIBUTOR	2	1	1	2	L4	I	49.0203	7870	59003	80002899	796
784.687-034	GLOVE PAIRER	2	1	1	2	L46	I5		7850	55F29	61060803	799
784.687-038	GLOVE TURNER	1	1	1	2	L4	I		8769	55S80	61041027	889
784.687-042	INSPECTOR-PACKER	2	1	2	2	L46	I		8761	55C39	61060802	888
784.687-046	LINER	2	1	1	2	L4	I		7740	59003	80002899	785
784.687-050	MATERIAL ASSEMBLER	3	1	2	3	L46	I		7850	55F29	61060803	799
784.687-058	POWDERER	2	1	1	2	L4	I		8769	59003	80002899	889
784.687-062	SINGER	2	1	1	2	L4	I34		7759	59003	80002899	795
784.687-074	STRAW-HAT BRUSHER	2	1	1	2	L46	I		7759	59003	80002899	795
784.687-078	STRAW-HAT-WASHER OPERATOR	1	1	1	1	L4	I4		8769	59003	80002899	889
784.687-082	WIRE INSERTER	2	1	1	2	L4	I		7720	55E22	61080440	785
785.361-018	SAMPLE STITCHER	4	3	3	6	L46	I	20.0304 20.0305	6852	55N51	50144405	666
786.132-010	SUPERVISOR, GARMENT MANUFACTURING	4	2	2	6	L456	I5		7100	55B29	50040003	633
786.682-010	APPLIQUER, ZIGZAG	2	1	1	3	L46	I5		7655	55C76	61085220	744
786.682-014	ARMHOLE BASTER, JUMPBASTING	2	1	1	3	L46	I5		7655	55C76	61085220	744
786.682-018	ARMHOLE FELLER, HANDSTITCHING MACHINE	2	1	1	2	L46	I5		7655	55C76	61085220	744
786.682-022	ARMHOLE-SEW-AND-TRIM OPERATOR, LOCKSTITC	2	1	1	3	L46	I5		7655	55C76	61085220	744
786.682-026	BACK MAKER, LOCKSTITCH	2	1	1	3	L46	I5		7655	55C76	61085220	744
786.682-030	BASTING-MACHINE OPERATOR	2	1	1	3	L46	I5		7655	55C76	61085220	744
786.682-034	BINDER, CHAINSTITCH	2	1	1	3	L46	I5		7655	55C76	61085220	744
786.682-038	BINDER, COVERSTITCH	2	1	1	3	L46	I5		7655	55C76	61085220	744
786.682-042	BINDER, LOCKSTITCH	2	1	1	3	L46	I5		7655	55C76	61085220	744
786.682-046	BLINDSTITCH-MACHINE OPERATOR	2	1	1	2	L46	I5	20.0502	7655	55C76	61085220	744
786.682-050	CANVAS BASTER, JUMPBASTING	2	1	1	3	L46	I5		7655	55C76	61085220	744
786.682-054	CHAINSTITCH SEWING MACHINE OPERATOR	2	1	1	2	L46	I5		7655	55C76	61085220	744
786.682-058	COAT JOINER, LOCKSTITCH	2	1	1	3	L46	I5		7655	55C76	61085220	744
786.682-062	COLLAR BASTER, JUMPBASTING	2	1	1	3	L46	I5		7655	55C76	61085220	744
786.682-066	COLLAR FELLER, HANDSTITCHING MACHINE	2	1	1	2	L46	I5		7655	55C76	61085220	744
786.682-070	COLLAR SETTER, LOCKSTITCH	2	1	1	3	L46	I5		7655	55C76	61085220	744
786.682-074	COLLAR SETTER, OVERLOCK	2	1	1	3	L46	I5		7655	55C76	61085220	744
786.682-078	COVERSTITCH-MACHINE OPERATOR	2	1	1	2	L46	I5		7655	55C76	61085220	744
786.682-082	CUP SETTER, LOCKSTITCH	2	1	1	3	L46	I5		7655	55C76	61085220	744
786.682-086	ELASTIC ATTACHER, CHAINSTITCH	2	1	1	3	L46	I5		7655	55C76	61085220	744
786.682-090	ELASTIC ATTACHER, COVERSTITCH	2	1	1	3	L46	I5		7655	55C76	61085220	744
786.682-094	ELASTIC ATTACHER, OVERLOCK	2	1	1	3	L46	I5		7655	55C76	61085220	744
786.682-098	ELASTIC ATTACHER, ZIGZAG	2	1	1	3	L46	I5		7655	55C76	61085220	744
786.682-102	FACING BASTER, JUMPBASTING	2	1	1	3	L46	I5		7655	55C76	61085220	744
786.682-106	FELLED-SEAM OPERATOR, CHAINSTITCH	2	1	1	3	L46	I5		7655	55C76	61085220	744
786.682-110	FLATLOCK-SEWING-MACHINE OPERATOR	2	1	1	3	L46	I5		7655	55C76	61085220	744

*** PROGRAM: 20.0303 COMMERCIAL GARMENT AND APPAREL CONSTRUCTION. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
786.682-114	FRONT MAKER, LOCKSTITCH	2	1	1	4	L46	I5		7655	55C76	61085220	744
786.682-118	FRONT-EDGE-TAPE SEWER, LOCKSTITCH	2	1	1	4	L46	I5		7655	55C76	61085220	744
786.682-122	FUR-MACHINE OPERATOR	3	1	1	7	L46	I5		7655	55C76	61085220	744
786.682-126	HEMMER, BLINDSTITCH	2	1	1	2	L46	I5		7655	55C76	61085220	744
786.682-130	HEMMER, CHAINSTITCH	2	1	1	2	L46	I5		7655	55C76	61085220	744
786.682-134	HEMMER, LOCKSTITCH	2	1	1	2	L46	I5		7655	55C76	61085220	744
786.682-138	HEMMER, OVERLOCK	2	1	1	2	L46	I5		7655	55C76	61085220	744
786.682-142	HEMSTITCHING-MACHINE OPERATOR	2	1	1	2	L46	I5		7655	55C76	61085220	744
786.682-146	JUMPBASTING-MACHINE OPERATOR	2	1	1	2	L46	I5		7655	55C76	61085220	744
786.682-150	LAPEL PADDER, BLINDSTITCH	2	1	1	3	L46	I5		7655	55C76	61085220	744
786.682-154	LINING BASTER, JUMPBASTING	2	1	1	4	L46	I5		7655	55C76	61085220	744
786.682-158	LINING FELLER, BLINDSTITCH	2	1	1	3	L46	I5		7655	55C76	61085220	744
786.682-162	LINING MAKER, LOCKSTITCH	2	1	1	2	L46	I5		7655	55C76	61085220	744
786.682-166	LINING SETTER, LOCKSTITCH	2	1	1	3	L46	I5		7655	55C76	61085220	744
786.682-170	LOCKSTITCH-MACHINE OPERATOR	2	1	1	2	L46	I5		7655	55C76	61085220	744
786.682-174	LOCKSTITCH-SEWING-MACHINE OPERATOR, COMP	3	1	2	4	L46	I5		7655	55C76	61085220	744
786.682-178	MULTINEEDLE-CHAINSTITCH-MACHINE OPERATOR	2	1	1	3	L46	I5		7655	55C76	61085220	744
786.682-182	NECKTIE OPERATOR, POCKETS AND PIECES	2	1	1	3	L46	I5		7655	55C76	61085220	744
786.682-186	NECKTIE-CENTRALIZING-MACHINE OPERATOR 1	2	1	1	3	L46	I5		7655	55C76	61085220	744
786.682-190	NECKTIE-CENTRALIZING-MACHINE OPERATOR 2	2	1	1	3	L46	I56		7655	55C76	61085220	744
786.682-194	OVERLOCK SEWING MACHINE OPERATOR	2	1	1	2	L46	I5		7655	55C76	61085220	744
786.682-198	OVERLOCK-MACHINE OPERATOR, COMPLETE GARM	3	1	2	4	L46	I5		7655	55C76	61085220	744
786.682-202	PANTS OUTSEAMER, CHAINSTITCH	2	1	1	3	L46	I5		7655	55C76	61085220	744
786.682-206	PICKED-EDGE SEWING-MACHINE OPERATOR	2	1	1	2	L46	I5		7655	55C76	61085220	744
786.682-210	POCKET SETTER, LOCKSTITCH	3	1	1	4	L46	I5		7655	55C76	61085220	744
786.682-214	REPAIR OPERATOR	3	1	2	3	L46	I5		7655	55J24	61085212	744
786.682-218	SEAT JOINER, CHAINSTITCH	2	1	1	3	L46	I5		7655	55C76	61085220	744
786.682-222	SHOULDER JOINER, LOCKSTITCH	2	1	1	3	L46	I5		7655	55C76	61085220	744
786.682-226	SLEEVE MAKER, LOCKSTITCH	2	1	1	2	L46	I5		7655	55C76	61085220	744
786.682-230	SLEEVE SETTER, LOCKSTITCH	2	1	1	4	L46	I5		7655	55C76	61085220	744
786.682-234	SLEEVE SETTER, OVERLOCK	2	1	1	3	L46	I5		7655	55C76	61085220	744
786.682-238	TOPSTITCHER, LOCKSTITCH	2	1	1	3	L46	I5		7655	55C76	61085220	744
786.682-242	TOPSTITCHER, ZIGZAG	2	1	1	3	L46	I5		7655	55C76	61085220	744
786.682-246	TUNNEL-ELASTIC OPERATOR, CHAINSTITCH	2	1	1	3	L46	I5		7655	55C76	61085220	744
786.682-250	TUNNEL-ELASTIC OPERATOR, LOCKSTITCH	2	1	1	3	L46	I5		7655	55C76	61085220	744
786.682-254	TUNNEL-ELASTIC OPERATOR, ZIGZAG	2	1	1	3	L46	I5		7655	55C76	61085220	744
786.682-258	ULTRASONIC-SEAMING-MACHINE OPERATOR	2	1	2	2	L46	I		7655	55C77	61085219	744
786.682-262	UTILITY OPERATOR	3	1	2	4	L46	I5		7655	55C76	61085220	744
786.682-266	WAISTBAND SETTER, LOCKSTITCH	2	1	1	2	L46	I5		7655	55C76	61085220	744
786.682-270	WAISTLINE JOINER, LOCKSTITCH	2	1	1	3	L46	I5		7655	55C76	61085220	744
786.682-274	WAISTLINE JOINER, OVERLOCK	2	1	1	4	L46	I5		7655	55C76	61085220	744
786.682-278	ZIGZAG-MACHINE OPERATOR	2	1	1	2	L46	I5		7655	55C76	61085220	744
786.682-282	ZIPPER SETTER, CHAINSTITCH	2	1	1	3	L46	I5		7655	55C76	61085220	744
786.682-286	ZIPPER SETTER, LOCKSTITCH	2	1	1	3	L46	I5		7655	55C76	61085220	744
786.685-010	BUTTON-SEWING-MACHINE OPERATOR	2	1	1	2	L4	I5		7655	55C77	61085219	744
786.685-014	BUTTONHOLE-MACHINE OPERATOR	2	1	1	2	L4	I5		7655	55C77	61085219	744
786.685-018	EMBROIDERY-MACHINE OPERATOR	2	1	1	2	L46	I5		7655	55C77	61085219	744
786.685-022	PIPED-POCKET-MACHINE OPERATOR	2	1	1	2	L46	I5		7655	55C77	61085219	744
786.685-026	PROFILE-STITCHING-MACHINE OPERATOR	2	1	1	2	L4	I5		7655	55C77	61085219	744
786.685-030	SEWING-MACHINE OPERATOR, SEMI-AUTOMATIC	2	1	1	2	L46	I5		7655	55C77	61085219	744

*** PROGRAM: 20.0303 COMMERCIAL GARMENT AND APPAREL CONSTRUCTION. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED			SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
		R	M	L								
786.685-034	TACKING-MACHINE OPERATOR	2	1	1	2	L4	I5		7655	55C77	61085219	744
787.132-018	SUPERVISOR, STITCHING DEPARTMENT	4	2	2	7	L456	I5		7100	55B29	50040003	633
787.682-010	BINDER	3	1	1	4	L46	I5		7655	55C78	61085205	744
787.682-022	EMBROIDERY-MACHINE OPERATOR	3	2	2	4	L46	I5		7655	55C79	61085215	744
787.682-046	SEWING-MACHINE OPERATOR	3	2	2	5	L46	I		7655	55C78	61085205	744
787.682-070	SEWING-MACHINE OPERATOR	3	1	1	4	L46	I		7655	55C78	61085205	744
787.682-074	SEWING-MACHINE OPERATOR	3	1	1	3	L46	I		7655	55C76	61085220	744
787.682-082	TUCKING-MACHINE OPERATOR	3	1	1	4	L46	I		7655	55C78	61085205	744
787.685-042	TACKING-MACHINE OPERATOR	2	1	1	3	L46	I5		7655	55C79	61085215	744
787.685-046	TOE-CLOSING-MACHINE TENDER	2	1	1	2	L4	I		7655	55C76	61085220	744
787.685-050	TRIMMING SEWER, AUTOMATIC	2	1	1	3	L46	I		7655	55C79	61085215	744
789.137-010	BOXING-AND-PRESSING SUPERVISOR	4	3	3	6	L45	I		4525	55B29	50040003	307
789.381-010	BEADWORKER	3	1	2	6	L46	B		6859	59002	63000000	674
789.387-010	QUALITY-CONTROL CHECKER	3	2	3	5	L46	I		7830	55B58	50142202	797
789.487-010	PLEAT TAPER	1	1	1	2	L34	I		7850	59003	80002899	799
789.587-010	BOXING INSPECTOR	2	1	2	3	L46	I		7820	55B58	50142202	796
789.684-010	BOW MAKER	2	1	2	3	L4	I		7755	59002	63000000	787
789.684-026	MOLDER, SHOULDER PAD	2	1	1	2	L46	I		7755	59003	80002899	787
789.684-050	THREAD CUTTER	2	1	1	2	L4	I		7753	55Q62	61089071	786
789.685-010	ORNAMENT SETTER	2	1	2	3	L46	I5		7679	59002	63000000	777
789.687-030	CLIPPER	1	1	1	2	L4	I		8769	59003	80002899	889
789.687-042	EXAMINER	2	1	1	3	L46	I5		7820	55B58	50142202	796
789.687-046	FINAL ASSEMBLER	2	1	1	2	L4	I		8769	59003	80002899	889
789.687-066	GARMENT FOLDER	1	1	1	2	L46	I		8769	55S81	61041028	889
789.687-070	GARMENT INSPECTOR	2	1	2	3	L46	I		7820	55B58	50142202	796
789.687-074	GARMENT TURNER	1	1	1	2	L4	I		8769	55S80	61041027	889
789.687-102	MONOGRAM-AND-LETTER PASTER	2	1	1	2	L46	I5		7740	55T65	63000000	785
789.687-142	REDYE HAND	3	1	1	3	L46	I		7850	59002	63000000	799
789.687-154	RIVETER, HAND	2	1	1	2	L46	I		7740	55R77	61084606	785
789.687-166	SEAM STEAMER	1	1	1	1	L4	I		8769	59003	80002899	889
789.687-170	STEAMER	1	1	1	2	M4	I4		7740	59003	80002899	785
789.687-178	TIE PRESSER	2	1	1	2	L4	I		8769	53015	61081202	889
789.687-182	TURNER	1	1	1	2	L4	I5		8769	55S80	61041027	889
920.687-098	HANDKERCHIEF FOLDER	2	1	1	2	L46	I		8761	55C39	61060802	888
920.687-190	TIE BINDER	2	1	1	2	L4	I		8769	55C39	61060802	889

PROGRAM: 20.0304 CUSTOM APPAREL/GARMENT SEAMSTRESS.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO CONSTRUCT, ALTER, AND PREPARE GARMENTS TO CUSTOMER SPECIFICATIONS. INCLUDES INSTRUCTION IN KNOWLEDGE OF FIBERS, TEXTILES, FABRICS, AND NOTIONS; UNDERSTANDING AND APPLYING METRICATION IN MEASURING AND FITTING AS MAY BE NECESSARY; CONSTRUCTING, ALTERING, AND PREPARING GARMENTS FOR WOMEN, MEN AND CHILDREN ACCORDING TO CUSTOMER SPECIFICATIONS; USING STANDARD OR POWER SEWING MACHINES OR VARIOUS HAND STITCHES; DESIGNING, MAKING, AND FITTING PATTERN TO INDIVIDUALS; LAYING OUT PATTERNS ON THE FABRIC AND CUTTING OUT FABRIC WITH HAND OR POWER DRIVEN SCISSORS OR SHEARS; BASTING FABRIC PIECES TOGETHER AND FITTING GARMENTS TO CUSTOMERS; SEWING FABRICS TOGETHER WITH SPECIFIC SEAM FINISHES FOR PARTICULAR FABRICS; REFITTING AND ADJUSTING GARMENTS TO CUSTOMERS; FINISHING BY HAND OR POWER OPERATED EQUIPMENT; AND PRESSING TO REMOVE WRINKLES AND SMOOTH SEAMS, COLLARS, CUFFS, AND SO FORTH.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
142.281-010	COPYIST	4	2	4	6	L46	I	48.0203	3220	25489	10221001	183
221.367-010	ALTERATIONS WORKROOM CLERK	3	2	2	3	L45	I		4752	62003	40062400	363
346.261-010	COSTUMER	4	3	4	7	L46	I		6859	44007	70080603	674
346.361-010	WARDROBE SUPERVISOR	3	2	3	7	L456	I	20.0302	5258	59001	50144899	469
346.374-010	COSTUMER ASSISTANT	3	2	3	4	L46	I		5258	44008	70200099	469
369.687-022	INSPECTOR	2	1	2	3	L46	I	12.0102 20.0302	7820	55B58	50142202	796
781.287-010	CLOTHING-PATTERN PREPARER	4	4	3	6	S46	I	20.0303	7759	59002	63000000	795
782.361-010	CORSET FITTER	3	2	3	7	L46	I5		6859	55C65	61081600	674
782.684-014	CROCHETER, HAND	3	1	2	5	L46	I	20.0303	7759	55J75	63000000	795
782.684-018	EMBROIDERER, HAND	3	1	2	5	L46	I	20.0303	7759	55I28	63000000	795
782.684-034	KNITTER, HAND	3	3	2	5	L46	I	20.0303	7720	59002	63000000	785
782.684-050	PASSEMENTERIE WORKER	2	1	1	4	L46	I	20.0303	7752	55J75	63000000	674
782.684-058	SEWER, HAND	2	1	1	3	L46	I	20.0100 20.0503	7752	55J75	63000000	667
782.687-010	BASTING PULLER	1	1	1	2	L46	I	20.0303	8769	55Q62	61089071	889
783.387-010	FUR-REPAIR INSPECTOR	3	2	2	8	L46	I	20.0302 20.0305	7820	55B58	50142202	796
784.261-010	MILLINER	4	2	2	6	L46	I	20.0303	6859	55L32	61083400	674
785.131-010	SUPERVISOR, ALTERATION WORKROOM	3	3	3	6	L456	I	20.0305	7100	55B29	50040003	633
785.261-010	ALTERATION TAILOR	4	3	3	7	L46	I5	20.0305	6852	55D05	50144401	666
785.361-010	DRESSMAKER	3	3	3	7	L46	I		6852	55C65	61081600	666
785.361-014	GARMENT FITTER	3	2	2	6	L3456	I	20.0308	6852	55C65	61081600	666
785.361-018	SAMPLE STITCHER	4	3	3	6	L46	I	20.0303 20.0305	6852	55N51	50144405	666
969.381-010	WARDROBE-SPECIALTY WORKER	3	3	2	7	L46	I		6859	59001	50144899	674

PROGRAM: 20.0305 CUSTOM TAILORING AND ALTERATION.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO CONSTRUCT, ALTER, AND REPAIR MEN'S, WOMEN'S, AND CHILDREN'S GARMENTS. INCLUDES INSTRUCTION IN SELECTION OF DESIGN, FABRIC, AND NOTIONS TO CUSTOMER SPECIFICATIONS, TAKING MEASUREMENTS AND FITTING; PREPARING PATTERNS; CUTTING, SEWING, AND ALTERING BY HAND; AND/OR FINISHING OF GARMENTS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
783.387-010	FUR-REPAIR INSPECTOR	3	2	2	8	L46	I	20.0302 20.0304	7820	55858	50142202	796
785.131-010	SUPERVISOR, ALTERATION WORKROOM	3	3	3	6	L456	I	20.0304	7100	55B29	50040003	633
785.261-010	ALTERATION TAILOR	4	3	3	7	L46	I5	20.0304	6852	55D05	50144401	666
785.261-014	CUSTOM TAILOR	4	3	3	8	L456	I5		6852	55D32	50144402	666
785.261-018	TAILOR APPRENTICE, ALTERATION	4	3	3	7	L46	I5		6852	55D05	50144401	666
785.261-022	TAILOR APPRENTICE, CUSTOM	4	3	3	8	L456	I5		6852	55D32	50144402	666
785.361-018	SAMPLE STITCHER	4	3	3	6	L46	I	20.0303 20.0304	6852	55N51	50144405	666
785.361-022	SHOP TAILOR	4	3	3	7	L46	I5		6852	55E13	50144899	667
785.361-026	SHOP TAILOR APPRENTICE	4	3	3	7	L46	I5		6852	55E13	50144899	667

PROGRAM: 20.0306 FASHION/FABRIC COORDINATION.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ASSIST IN COORDINATING GARMENTS FOR VARIOUS OCCASIONS. INCLUDES INSTRUCTION IN FASHION DESIGN, TRENDS, CHARACTERISTIC STYLES, AND MERCHANDISING; DESCRIBING TO CUSTOMERS THE GARMENT CONSTRUCTION, QUALITY AND FIBER CONTENT; CARE AND DURABILITY; SELECTING CURRENT FASHION FOR FIGURE TYPES; FITTING GARMENT ON CUSTOMERS; PLANNING AND PRESENTING FASHION SHOWS; DEVELOPING FASHION DISPLAYS; ASSISTING HOME SEWERS WITH CONSTRUCTION TECHNIQUES; ADVISING ON QUALITY OF FABRIC NEEDED; MEASURING AND CUTTING FABRIC; ORDERING, RECEIVING, AND DISPLAYING FABRIC AND MERCHANDISE; KEEPING SHOP AND STORE CLEAN AND ORDERLY; AND TAKING INVENTORIES AND REPLENISHING STOCK.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
141.061-014	FASHION ARTIST	5	2	4	7	S46	I	48.0203	3250	25426	10221601	188
142.061-018	CLOTHES DESIGNER	5	3	5	7	L456	I	20.0303 48.0203	3220	25489	10221001	183
162.157-018	BUYER	4	3	4	6	L456	I	01.0503 04.0501 08.0703 08.0704 08.0705 08.0707 08.0904 20.0308 20.0505	1442	25301	10240804	029

*** PROGRAM: 20.0306 FASHION/FABRIC COORDINATION. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
162.157-022	BUYER, ASSISTANT	4	3	3	6	L5	I	01.0503 04.0501 08.0704 08.0705 08.0904 20.0308 20.0505	1442	25301	10240804	029
185.157-010	FASHION COORDINATOR	5	4	5	7	L456	I	06.1401 08.0102 20.0308	1250	10033	20061611	013
221.484-010	YARDAGE ESTIMATOR	3	3	3	6	L46	I		4752	62900	40066899	363
261.354-010	SALESPERSON, CORSETS	4	3	4	5	L45	I	08.0706 08.0102 08.0705	4346	72002	30001802	264
261.357-010	SALES REPRESENTATIVE, APPAREL TRIMMINGS	4	3	4	5	L5	I	08.0706 08.0102 08.0702 08.0707	4243	71999	30001807	259
261.357-022	SALES REPRESENTATIVE, MEN'S AND BOYS' AP	4	3	4	6	L5	I	08.0706 08.0102 08.0702	4243	71999	30001807	259
261.357-030	SALES REPRESENTATIVE, TEXTILES	4	3	4	6	L56	I	08.0706 08.0702	4243	71999	30001807	259
261.357-034	SALES REPRESENTATIVE, UNIFORMS	4	3	4	6	L5	I	08.0706 08.0102 08.0702	4243	71999	30001807	259
261.357-038	SALES REPRESENTATIVE, WOMEN'S AND GIRLS'	4	3	4	5	L5	I	08.0706 08.0102 08.0702	4243	71999	30001807	259
261.357-042	SALESPERSON, FURS	4	3	4	5	L456	I	08.0706 08.0102 08.0705	4346	71999	30001807	264
261.357-046	SALESPERSON, INFANTS' AND CHILDREN'S WEA	4	3	4	3	L45	I	08.0706 08.0102 08.0705	4346	72002	30001802	264
261.357-050	SALESPERSON, MEN'S AND BOYS' CLOTHING	4	3	4	5	L456	I	08.0706 08.0102 08.0705	4346	71999	30001807	264
261.357-054	SALESPERSON, MEN'S FURNISHINGS	4	3	4	4	L456	I	08.0706 08.0102 08.0705	4346	71999	30001807	264
261.357-058	SALESPERSON, MILLINERY	4	3	4	3	L456	I	08.0706 08.0102 08.0705	4346	72002	30001802	264
261.357-066	SALESPERSON, WOMEN'S APPAREL AND ACCESSO	4	3	4	3	L456	I	08.0706 08.0102 08.0705	4346	72002	30001802	264
261.357-070	SALESPERSON, YARD GOODS	4	3	4	3	L456	I7	08.0706 08.0705 20.0505	4359	72002	30001802	274

*** PROGRAM: 20.0306 FASHION FABRIC COORDINATION. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES CODE	FOURTH EDITION TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
295.357-010	APPAREL-RENTAL CLERK	3	3	3	3	L5	I	08.0706 08.0102 20.0308	4363	79000	30001899	275
296.357-010	PERSONAL SHOPPER	4	3	3	5	L5	I	08.0706 08.0705 20.0603	4460	79000	30001899	285
296.367-014	COMPARISON SHOPPER	4	2	3	3	L6	I	20.0603	4460	79000	30001899	285
297.354-010	DEMONSTRATOR	3	3	3	3	L45	I	08.0706 08.0705 20.0507 20.0603	4450	72004	30001899	283
297.354-014	DEMONSTRATOR, KNITTING	4	4	4	5	S45	I		4450	72004	30001899	283
297.454-010	DEMONSTRATOR, SEWING TECHNIQUES	3	3	3	3	L45	I	20.0507	4450	72004	30001899	283
298.081-010	DISPLAYER, MERCHANDISE	4	3	3	6	M346	I	04.0501 08.0202 20.0308 20.0505	3220	55A93	50141000	183
559.467-010	TEMPERATURE-CONTROL INSPECTOR	3	2	2	4	L2346	I7	20.0307	7820	55B58	50142202	796

PROGRAM: 20.0307 TEXTILES TESTING.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO SELECT AND CORRECTLY USE TOOLS AND EQUIPMENT FOR SPECIFIC TEXTILE TESTS UNDER THE DIRECTION OF CLOTHING OR TEXTILE TECHNICIANS. INCLUDES INSTRUCTION IN IDENTIFYING QUALITIES OF VARIOUS FIBERS, YARNS, AND FABRICS; COLLECTING AND TESTING FIBER SLIVERS, ROVING, AND YARN OF FABRIC SAMPLES; MAKING ELEMENTARY STATISTICAL CALCULATIONS; RECORDING TEST RESULTS; COMPARING TEST RESULTS WITH SAMPLES OR PREPARED STANDARDS; REPORTING VARIATONS FROM STANDARDS TO DIRECTOR OF QUALITY CONTROL; CHECKING AND CALIBRATING VARIOUS TESTING INSTRUMENTS USING METRICATION; AND KEEPING LABORATORIES CLEAN.

DICTIONARY OF OCCUPATIONAL TITLES CODE	FOURTH EDITION TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
029.381-010	CLOTH TESTER	4	3	4	5	L46	I	15.0609	3890	33001	10081899	225
029.381-014	LABORATORY ASSISTANT	4	3	3	5	L46	I	15.0609	3890	33001	10081899	225
168.287-014	INSPECTOR, QUALITY ASSURANCE	5	5	5	7	L456	I	15.0702	1473	10001	20040800	036
221.587-042	WEAVE-DEFECT-CHARTING CLERK	2	1	2	2	S4	I5		4752	62003	40062400	363
550.585-018	CHEMICAL MIXER	3	2	2	4	M46	I45		7664	55G90	61087243	756
559.467-010	TEMPERATURE-CONTROL INSPECTOR	3	2	2	4	L2346	I7	20.0306	7820	55B58	50142202	796
582.387-010	COLOR CHECKER, ROVING OR YARN	3	2	3	3	L46	I		7830	55Q57	50142205	797
582.587-010	CHEMICAL-STRENGTH TESTER	3	2	2	2	L46	I45		7830	55Q57	50142205	797
582.684-010	PATCH FINISHER	2	1	2	2	L4	I345		7840	55N52	80002899	798
582.685-026	CLOTH SHADER	2	1	2	4	L46	I		7820	55B58	50142202	796
582.687-022	SHADE MATCHER	2	1	2	3	L346	I		7820	55B58	50142202	796
586.685-038	TESTING-MACHINE OPERATOR	3	2	3	4	L46	I5		7830	55Q57	50142205	797
587.384-010	CLOTH-SHRINKING TESTER	3	2	3	3	L46	I5		7830	55Q57	50142205	797
589.360-010	BONDING-MACHINE SETTER	3	2	3	5	M346	I5		7459	51900	50083299	749

*** PROGRAM: 20.0307 TEXTILES TESTING. CONTINUED ***

589.384-010	PRODUCT TESTER, FIBERGLASS	3	2	3	5	L46	I5		7830	55Q57	50142205	797
589.387-014	WOOL SORTER	4	2	3	6	L346	I57		5625	59002	63000000	488
589.487-010	WEIGHT-YARDAGE CHECKER	3	3	3	3	L46	I		7820	55B58	50142202	796
589.562-010	CLOTH-FINISHING-RANGE OPERATOR, CHIEF	3	2	3	5	M456	I456		7659	55G34	61041010	749
589.685-022	CLOTH MEASURER, MACHINE	2	1	2	3	L346	I		7659	59002	63000000	749
652.567-010	CLOTH-PRINTING INSPECTOR	3	1	1	4	L46	I	48.0208	7820	55B58	50142202	796
680.367-010	ROVING SIZER	3	2	3	4	L46	I		7840	59002	63000000	798
680.687-018	ROVING-WEIGHT GAGER	2	1	2	4	L4	I5		7840	59002	63000000	798
681.687-018	THREAD INSPECTOR	3	1	1	3	L46	I		7820	55B58	50142202	796
681.687-030	YARN EXAMINER	3	1	2	3	L46	I5		7820	55B58	50142202	796
683.260-010	BRAID-PATTERN SETTER	4	3	4	7	L346	I5		7452	59001	50144899	739
683.487-010	BELTING-AND-WEBBING INSPECTOR	2	1	1	2	L46	I		7820	55B58	50142202	796
683.684-034	WEAVING INSPECTOR	2	1	2	3	L46	I5		7820	55B58	50142202	796
683.687-034	WARP-TENSION TESTER	2	1	2	2	L346	I345		6140	55Q57	50142205	519
684.384-010	QUALITY-CONTROL TESTER	3	2	2	4	L46	I		7830	55Q57	50142205	797
684.682-014	SEWER AND INSPECTOR	3	1	1	3	L46	I		7655	55J24	61085212	744
684.684-010	STOCKING INSPECTOR	3	1	2	3	L46	I		7820	55B58	50142202	796
684.687-014	REINSPECTOR	3	2	1	4	L46	I		7820	55B58	50142202	796
684.687-018	SIZER	3	2	1	3	L46	I		7820	55B58	50142202	796
685.687-010	CLOTH INSPECTOR	2	1	2	4	L46	I		7820	55B58	50142202	796
689.134-018	SUPERVISOR, PRODUCT INSPECTION	4	2	3	6	L456	I		7100	55B29	50040003	633
689.222-010	INSTRUCTOR	4	3	3	6	L456	I		2390	55B65	50144815	159
689.384-010	CLOTH TESTER, QUALITY	3	3	3	4	L46	I		7830	55Q57	50142205	797
689.384-014	LABORATORY TESTER	3	3	3	4	L46	I		7830	55Q57	50142205	797
689.387-010	CLOTH GRADER	3	1	2	5	L46	I		7850	55S21	61060408	799
689.685-038	CLOTH EXAMINER, MACHINE	3	2	3	4	L46	I5		7820	55B58	50142202	796
689.687-022	CLOTH EXAMINER, HAND	2	1	1	2	L46	I5		7820	55B58	50142202	796
689.687-062	RAW-SILK GRADER	3	2	2	4	L46	I		7850	55B58	50142202	799
689.687-082	YARN EXAMINER, SKEINS	2	1	1	3	L46	I		7820	55B58	50142202	796
789.687-050	FINISHER	2	1	1	2	L46	I		7820	55B58	50142202	796

PROGRAM: 20.0308 WEDDING/SPECIALTY CONSULTING.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ADVISE INDIVIDUALS AND/OR FAMILIES WITH PREPARATION FOR WEDDINGS, INCLUDING WEDDING ETIQUETTE; SELECTION OF ATTIRE FOR BRIDE, GROOM, ATTENDANTS, AND OTHERS; FITTING AND MARKING GARMENTS FOR NEEDED ALTERATIONS; ASSISTING IN SELECTION OF INVITATIONS, FLOWERS, LINENS, AND OTHER HOME ACCESSORIES; WORKING WITH CATERERS AND PHOTOGRAPHERS; KEEPING RECORD OF GIFTS; CONSTRUCTING, DISPLAYING, AND SELLING WEDDING ATTIRE; AND CONDUCTING WEDDING FASHION SHOWS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
162.157-018	BUYER	4	3	4	6	L456	I	01.0503 04.0501 08.0703 08.0704 08.0705 08.0707 08.0904 20.0306 20.0505	1442	25301	10240804	029
162.157-022	BUYER, ASSISTANT	4	3	3	6	L5	I	01.0503 04.0501 08.0704 08.0705 08.0904 20.0306 20.0505	1442	25301	10240804	029
185.157-010	FASHION COORDINATOR	5	4	5	7	L456	I	06.1401 08.0102 20.0306	1250	10033	20061611	013
295.357-010	APPAREL-RENTAL CLERK	3	3	3	3	L5	I	08.0706 08.0102 20.0306	4363	79000	30001899	275
298.081-010	DISPLAYER, MERCHANDISE	4	3	3	6	M346	I	04.0501 08.0202 20.0306 20.0505	3220	55A93	50141000	183
299.357-018	WEDDING CONSULTANT	4	3	4	6	L456	I	08.0706 08.0102 08.0705	4490	71999	30001807	285
785.361-014	GARMENT FITTER	3	2	2	6	L3456	I	20.0304	6852	55C65	61081600	666

PROGRAM: 20.0399 CLOTHING, APPAREL, AND TEXTILES MANAGEMENT, PRODUCTION, AND SERVICES, OTHER.

ANY INSTRUCTIONAL PROGRAM IN CLOTHING, APPAREL, AND TEXTILES MANAGEMENT, PRODUCTION, AND SERVICES NOT DESCRIBED ABOVE.

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PROGRAM: 20.0400 FOOD PRODUCTION, MANAGEMENT, AND SERVICES. A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS IN MANAGERIAL, PRODUCTION, AND SERVICE SKILLS USED IN INSTITUTIONAL, COMMERCIAL, OR SELF-OWNED FOOD ESTABLISHMENTS OR OTHER FOOD INDUSTRY OCCUPATIONS. INCLUDES INSTRUCTION IN PLANNING, SELECTING, STORING, PURCHASING, PREPARING, AND SERVING QUANTITY FOOD AND FOOD PRODUCTS; NUTRITIVE VALUES; SAFETY AND SANITATION PRECAUTIONS; USE AND CARE OF COMMERCIAL EQUIPMENT; SERVING TECHNIQUES; SPECIAL DIETS; AND MANAGEMENT OF FOOD ESTABLISHMENTS.

PROGRAM: 20.0401 FOOD PRODUCTION, MANAGEMENT, AND SERVICES, GENERAL. AN INSTRUCTIONAL PROGRAM THAT GENERALLY PREPARES INDIVIDUALS IN MANAGERIAL, PRODUCTION, AND SERVICE SKILLS USED IN INSTITUTIONAL, COMMERCIAL, OR SELF-OWNED FOOD ESTABLISHMENTS OR OTHER FOOD INDUSTRY OCCUPATIONS. INCLUDES INSTRUCTION IN PLANNING, SELECTING, STORING, PURCHASING, PREPARING, AND SERVING QUALITY FOOD AND FOOD PRODUCTS; NUTRITIVE VALUES; SAFETY AND SANITATION PRECAUTIONS; USE AND CARE OF COMMERCIAL EQUIPMENT; SERVING TECHNIQUES; SPECIAL DIETS; AND MANAGEMENT OF FOOD ESTABLISHMENTS.

PROGRAM: 20.0402 BAKING. AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ENGAGE IN THE PREPARATION OF BAKERY FOOD PRODUCTS FOR USE IN COMMERCIAL FOOD ESTABLISHMENTS, FOR RETAIL DISTRIBUTION OR FOR SPECIAL FUNCTIONS. INCLUDES INSTRUCTION IN MAKING, FREEZING, AND HANDLING BAKED PRODUCTS; DECORATING; COUNTER DISPLAY; AND SERVICE AND PACKAGING OF BAKERY PRODUCTS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
313.131-010	BAKER, HEAD	4	3	3	7	L456	I3		5211	44014	70200001	433
313.131-022	PASTRY CHEF	4	3	3	8	L456	I3		5211	44014	70200001	433
313.361-010	BAKER, SECOND	4	3	3	7	H346	I236		5214	43001	70040200	436
313.361-038	PIE MAKER	3	2	2	6	L4	I		5214	43001	70040200	436
313.381-010	BAKER	3	2	2	6	M46	I3		5214	43001	70040200	436
313.381-018	COOK APPRENTICE, PASTRY	4	3	3	7	M46	I36		5214	43001	70040200	436
313.381-026	COOK, PASTRY	4	3	3	7	M46	I36		5214	43001	70040200	436
313.684-010	BAKER HELPER	2	1	1	3	M46	I3		5219	55E37	61089003	444
313.687-010	COOK HELPER, PASTRY	2	1	1	3	M34	I		5219	43007	70041802	444
315.131-014	PASTRY CHEF	4	2	3	8	M456	I		5211	44014	70200001	433
315.361-014	COOK, PASTRY, PSYCHIATRIC HOSPITAL	4	2	3	7	M456	I36		5214	43001	70040200	436
315.381-026	SECOND COOK AND BAKER	3	2	2	6	H46	I34	20.0403	5214	43016	70040804	436
520.384-010	BENCH HAND	3	2	2	6	M46	I		7755	55T44	50140201	787
520.385-010	MIXER, WHIPPED TOPPING	2	2	2	3	M4	I456		7664	55B93	61083856	756
520.462-010	DOUGH-MIXER OPERATOR	3	1	3	5	L34	I347		7664	55B93	61083856	756
520.482-010	CRACKER-AND-COOKY-MACHINE OPERATOR	3	2	2	5	M4	I		7664	59002	63000000	756
520.487-018	PANTRY WORKER	3	2	2	3	L346	I		7840	55K17	61089029	798

***** PROGRAM: 20.0402 BAKING.** CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
520.582-010	DOUGH MIXER	3	2	3	5	H4	I	20.0406	7664	55B93	61083856	756
520.585-014	BROTH MIXER	3	2	2	4	H34	I		7664	55B93	61083856	756
520.587-010	PRETZEL TWISTER	1	1	1	2	L4	I		8769	55T44	50140201	889
520.665-014	MIXING-MACHINE OPERATOR	2	1	1	2	M24	I5		7664	55B93	61083856	756
520.685-014	BATTER MIXER	2	2	2	2	H4	I		7664	55B93	61083856	756
520.685-086	DIVIDING-MACHINE OPERATOR	3	1	1	3	L4	I		7663	55H78	61086259	755
520.685-090	DOUGH-BRAKE-MACHINE OPERATOR	2	1	1	3	M4	I5		7664	55H78	61086259	756
520.685-114	ICING MIXER	3	1	2	3	H46	I5		7664	55B93	61683856	756
520.685-190	PRETZEL-TWISTING-MACHINE OPERATOR	2	1	1	2	L34	I		7663	55H78	61086259	755
520.685-214	SWEET-GOODS-MACHINE OPERATOR	2	1	1	3	M4	I		7663	55H78	61086259	755
520.685-226	UNLEAVENED-DOUGH MIXER	2	1	1	2	L4	I5	20.0406	7664	55B93	61083856	756
520.686-014	DESSERT-CUP-MACHINE FEEDER	1	1	1	2	L4	I		8725	59003	80002899	878
521.685-302	SLICING-MACHINE OPERATOR	2	1	1	2	L4	I		7678	55S22	61081462	769
523.685-094	GRAIN-WAFER-MACHINE OPERATOR	2	1	2	3	H4	I		7672	59002	63000000	763
524.381-010	CAKE DECORATOR	3	2	2	6	L46	I		6879	55F38	50140205	688
524.382-014	ENROBING-MACHINE OPERATOR.	3	1	2	6	L46	I	20.0406	7669	55S24	61089085	759
524.565-010	TROLLEY OPERATOR	1	1	1	2	M4	I	49.0203	8319	55R90	80001020	859
524.682-010	DEPOSITING-MACHINE OPERATOR	3	1	2	4	M46	I		7669	55T57	61086201	759
524.684-014	DECORATOR	2	1	1	3	L46	I		7756	55H47	61089012	789
524.685-030	FILLING MACHINE TENDER	2	1	2	3	L4	I5		7663	59002	63000000	755
524.685-034	ICER, MACHINE	2	1	1	3	M4	I		7669	55S24	61089085	759
524.687-018	RACKER	1	1	1	1	L4	I		8769	59003	80002899	889
526.131-010	BAKERY SUPERVISOR	4	3	3	8	M5	I		7100	55B29	50040003	633
526.381-010	BAKER	3	2	2	7	H346	I	20.0100	6872	55E36	50140202	687
526.381-014	BAKER APPRENTICE	3	2	2	7	H346	I		6872	55E36	50140202	687
526.682-010	BATTER SCALER	3	2	2	4	L4	I		7479	55T57	61086201	777
526.682-022	DOUGHNUT-MACHINE OPERATOR	3	2	3	4	L4	I		7679	55H82	61086258	777
526.682-030	OVEN OPERATOR, AUTOMATIC	3	2	2	4	L4	I3		7672	55C10	61086292	763
526.684-010	DOUGHNUT MAKER	3	1	1	5	M34	I3		7759	55H82	61086258	795
526.685-030	OVEN TENDER	3	1	1	4	M34	I3	20.0406	7672	55C10	61086292	763
526.685-038	PIE MAKER, MACHINE	3	1	1	4	M34	I		7679	59002	63000000	777
526.685-054	PRETZEL COOKER	2	1	1	3	M34	I3		7672	55C10	61086292	763
526.685-066	WAFER-MACHINE OPERATOR	2	1	1	3	L4	I		7672	55C10	61086292	763
526.686-010	BAKER HELPER	2	1	1	2	H34	I45		8619	43007	70041802	873
929.686-010	BAKERY WORKER	1	1	1	2	M4	I5	49.0203	8725	59003	80002899	878

PROGRAM: 20.0403 CHEF/COOK.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ENGAGE IN THE PREPARATION AND COOKING OF A VARIETY OF FOODS TO MAINTAIN NUTRITIVE VALUES AND QUALITY CONTROL. INSTRUCTION IS GIVEN IN THE DETERMINATION OF QUALITY OF FOOD TO BE PREPARED AND THE SIZE OF SERVINGS FOR DIFFERENT TYPES OF FOOD SERVICES; THE USE AND CARE OF COMMERCIAL EQUIPMENT; ADHERENCE TO SANITATION PROCEDURES FOR STORAGE, PREPARATION, AND SERVICE OF FOODS; THE OBSERVATION OF HEALTH, SAFETY, AND SANITARY PRECAUTIONS IN THE COOKING AREAS; AND THE USE OF EQUIPMENT OR UTENSILS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	D E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
187.161-010	EXECUTIVE CHEF	5	4	3	8	L456	I3		1351	44014	70200001	019
313.131-014	CHEF	4	4	4	7	M456	I3		5211	44014	70200001	433
313.131-026	SOUS CHEF	4	3	3	8	M456	I3		5211	44014	70200001	433
313.281-010	CHEF DE FROID	4	3	3	7	M456	I23		5214	43013	70040803	436
313.361-014	COOK	4	3	3	7	M46	I		5214	43013	70040803	436
313.361-018	COOK APPRENTICE	4	3	3	7	M46	I		5214	43013	70040803	436
313.361-022	COOK, SHORT ORDER 1	3	2	3	4	M3456	I3467		5215	43011	70040802	437
313.361-026	COOK, SPECIALTY	3	2	2	5	M456	I3		5214	43011	70040802	436
313.361-030	COOK, SPECIALTY, FOREIGN FOOD	3	3	2	7	M46	I		5214	43013	70040803	436
313.361-034	GARDE MANGER	3	2	2	7	L4	I		5214	43013	70040803	436
313.381-014	BAKER, PIZZA	3	2	1	5	M46	I	20.0406	5214	43011	70040802	436
313.381-022	COOK, BARBECUE	3	2	2	5	M346	I3		5214	43013	70040803	436
313.381-034	ICE-CREAM CHEF	3	2	2	5	M346	I		5214	43013	70040803	436
313.671-010	COOK, SHORT ORDER 2	3	2	3	3	L45	I		5215	43011	70040802	437
315.131-010	COOK, CHIEF	4	2	3	7	M456	I346		5211	44014	70200001	433
315.137-010	CHEF, PASSENGER VESSEL	4	3	3	7	L56	I		5211	44014	70200001	433
315.137-014	SOUS CHEF	4	3	4	7	L456	I		5211	44014	70200001	433
315.361-010	COOK	3	2	2	6	M46	I4	20.0100 20.0408	5214	43016	70040804	436
315.361-018	COOK, PSYCHIATRIC HOSPITAL	4	2	3	7	M456	I356		5214	43016	70040804	436
315.361-022	COOK, STATION	3	2	2	6	M46	I		5214	43013	70040803	436
315.371-010	COOK, MESS	3	2	2	6	M4	I4		5214	43016	70040804	436
315.381-010	COOK	3	2	2	5	M234	I35		5214	43016	70040804	436
315.381-014	COOK, LARDER	4	2	2	7	L46	I		5214	43013	70040803	436
315.381-018	COOK, RAILROAD	3	2	2	6	L24	I35		5214	43013	70040803	436
315.381-022	COOK, THIRD	3	1	2	6	M46	I34		5214	43016	70040804	436
315.381-026	SECOND COOK AND BAKER	3	2	2	6	M46	I34	20.0402	5214	43016	70040804	436
520.687-046	MEXICAN FOOD MAKER, HAND	2	1	1	2	L4	I5		8769	59003	80002899	889
526.134-010	COOK, MEXICAN FOOD	4	2	3	7	M45	I		7100	55829	50040003	633

PROGRAM: 20.0404 DIETETIC AIDE/ASSISTING.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO UTILIZE NUTRITIONAL KNOWLEDGE IN PREPARING AND SERVING MEALS TO INDIVIDUALS WITH SPECIFIC DIETARY NEEDS UNDER THE DIRECTION OF A PROFESSIONAL DIETITIAN. INCLUDES INSTRUCTION IN SELECTING AND USING SPECIFIC PIECES OF EQUIPMENT FOR PARTICULAR TASKS IN FOOD PREPARATION AND SERVICES; PREPARING AND SERVING SIMPLE FOODS ACCORDING TO DIET INSTRUCTION; EXAMINING ASSEMBLED TRAYS FOR CONFORMANCE WITH DIET REGULATIONS AND NUTRITIONAL VALUES; HANDLING FOODS, BEVERAGES, EQUIPMENT, UTENSILS AND TABLE SETTINGS IN ORDER TO PREVENT CONTAMINATION; OBSERVING SAFETY AND SANITARY STANDARDS AND REGULATIONS; FOLLOWING APPROPRIATE EMERGENCY PROCEDURES; AND ASSISTING IN THE MANAGEMENT OF DIETARY FACILITIES. PROGRAMS PREPARE DIETETIC AIDES TO WORK UNDER THE DIRECTION OF AN ASSISTANT AND A PROFESSIONAL DIETITIAN IN PERFORMING THE LESS COMPLICATED DIETETIC TASKS; PROGRAMS PREPARE DIETETIC ASSISTANTS TO WORK UNDER THE DIRECTION OF A PROFESSIONAL DIETITIAN.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED			S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
		R	M	L								
077.121-010	DIETETIC TECHNICIAN	5	4	5	8	L56	I		3020	35014	10121011	097
245.587-010	DIET CLERK	3	3	3	3	S456	I		4699	61900	40066898	336
319.137-010	FOOD-SERVICE SUPERVISOR	4	3	3	6	L45	I	20.0406	5211	44014	70200001	433
								20.0408				
355.677-010	FOOD-SERVICE WORKER, HOSPITAL	3	2	2	2	M46	I456	08.0905	5216	43900	70041899	438

PROGRAM: 20.0405 FOOD CATERING.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ENGAGE IN BOOKING, PLANNING, AND MANAGING THE PREPARATION AND SERVICE OF FOOD FOR SPECIAL OCCASIONS. INCLUDES INSTRUCTION IN ARRANGING FOR EQUIPMENT, TABLES, SPACE, DECORATIONS, AND ENTERTAINMENT, AND FOR TRANSPORTATION OF FOOD AND EQUIPMENT; SUPERVISING CLEANUP; ASSISTING IN TAKING INVENTORIES; STORING FOOD AND SUPPLIES; OBSERVING SAFETY PRECAUTIONS; AND FOLLOWING FOOD HANDLING PROCEDURES AS SPECIFIED BY HEALTH AND SANITATION REGULATIONS. PROGRAMS PREPARE INDIVIDUALS BOTH AS FOOD CATERERS, WHO PERFORM MANAGERIAL TASKS AND ARE RECOGNIZED AS EXPERTS IN SPECIALTY FOOD PREPARATION AND PRODUCTS, AND AS FOOD-CATERER AIDES, WHO WORK UNDER THE DIRECTION OF FOOD CATERERS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED			S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
		R	M	L								
162.157-038	PURCHASING AGENT	4	3	4	7	S5	I	01.0503	1449	25414	10240803	033
								08.0102				
								08.0704				
								20.0406				
187.167-106	MANAGER, FOOD SERVICE	4	4	4	7	L456	I	06.1401	1351	10011	20061400	019
										10049	20061400	
								06.0704	1351	10011	20061400	
										10049	20061400	
								08.0905	1351	10011	20061400	
										10049	20061400	
								20.0406	1351	10011	20061400	
										10049	20061400	
319.137-014	MANAGER, FLIGHT KITCHEN	4	3	3	7	L45	I	20.0406	5211	44014	70200001	433
319.137-022	SUPERVISOR, COMMISSARY PRODUCTION	4	3	3	7	L456	I	20.0406	5211	44014	70200001	433
319.484-010	FOOD ASSEMBLER, KITCHEN	2	2	1	3	L4	I	20.0406	5219	43007	70041802	444
319.677-010	CATERER HELPER	3	2	2	3	L45	I		5217	43900	70041899	439

PROGRAM: 20.0406 FOOD SERVICE.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO SELECT, PURCHASE, PREPARE, OR PRODUCE FOOD IN QUANTITIES; PRESERVE NUTRITIVE VALUE OF FOODS; FOLLOW STANDARD RECIPES FOR QUALITY CONTROL; PREPARE AND SERVE QUANTITY FOODS; RECEIVE, STORE, AND ISSUE FOODS AND SUPPLIES; SELECT AND USE COMMERCIAL EQUIPMENT FOR PRODUCTION AND SERVICES; OBSERVE SAFETY PRECAUTIONS AND SANITATION REGULATIONS; STORE AND HANDLE FOOD AND EQUIPMENT; CLEAN FOOD PREPARATION AND SERVICE AREAS; TAKE INVENTORIES; AND WORK IN OR MANAGE FOOD-SERVICE ESTABLISHMENTS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
000.000-000									5216	43014	70041804	438
162.157-038	PURCHASING AGENT	4	3	4	7	S5	I	01.0503 08.0102 08.0704 20.0405	1449	25414	10240803	033
168.267-030	DINING-SERVICE INSPECTOR	4	2	3	7	L25	I5		1473	29000	10243899	036
187.167-026	DIRECTOR, FOOD SERVICES	5	4	4	7	L56	I	06.0704 20.0408	1351	10049	20061400	019
187.167-106	MANAGER, FOOD SERVICE	4	4	4	7	L456	I	06.1401	1351	10011 10049	20061400 20061400	019
								06.0704	1351	10011 10049	20061400 20061400	
								08.0905	1351	10011 10049	20061400 20061400	
								20.0405	1351	10011 10049	20061400 20061400	
211.462-010	CASHIER 2	3	3	2	2	S456	I	08.0602 08.0603 08.0705 08.0707	4364	61314	40060800	276
222.387-058	STOCK CLERK	3	3	2	4	H34	I	07.0708	4754	62008	40065404	365
310.137-010	HOST/HOSTESS, RESTAURANT	4	3	4	6	L45	I	08.0905	5211	43006	70041601	433
310.137-014	KITCHEN SUPERVISOR	4	3	4	7	L456	I45		5211	44014	70200001	433
310.137-018	STEWARD/STEWARDESS	4	3	4	7	L45	I5	08.0905	5211	44014	70200001	433
310.137-022	STEWARD/STEWARDESS, BANQUET	4	3	4	7	L45	I5	08.0905	5211	44014	70200001	433
310.137-026	STEWARD/STEWARDESS, RAILROAD DINING CAR	4	3	3	7	L245	I5	08.0905	5211	44014	70200001	433
310.267-010	ANALYST, FOOD AND BEVERAGE	5	4	4	8	L456	I		4758	43900	70041899	373
310.357-010	WINE STEWARD/STEWARDESS	3	3	3	6	L456	I	08.0905	5213	43900	70041899	435
311.137-010	COUNTER SUPERVISOR	3	2	3	6	L345	I	08.0905 20.0408	5211	44014	70200001	433
311.137-014	WAITER/WAITRESS, BANQUET, HEAD	4	3	3	6	L5	I	08.0905	5211	44014	70200001	433
311.137-018	WAITER/WAITRESS, CAPTAIN	4	2	3	6	L5	I	08.0905	5211	44014	70200001	433
311.137-022	WAITER/WAITRESS, HEAD	4	3	4	6	L45	I	08.0905	5211	44014	70200001	433
311.477-010	CAR HOP	2	2	2	2	L45	O	08.0905	5216	43900	70041899	438
311.477-014	COUNTER ATTENDANT, LUNCHROOM OR COFFEE S	2	2	2	2	L45	I	08.0905	5216	43010	70041899	438
311.477-018	WAITER/WAITRESS, BAR	3	2	2	3	L45	I	08.0905	5213	43009	70041602	435
311.477-022	WAITER/WAITRESS, DINING CAR	3	2	2	3	L245	I5	08.0905	5213	43009	70041602	435
311.477-026	WAITER/WAITRESS, FORMAL	3	2	3	3	L45	I	08.0905	5213	43009	70041602	435
311.477-030	WAITER/WAITRESS, INFORMAL	3	2	2	3	L45	I	08.0905	5213	43009	70041602	435
311.477-034	WAITER/WAITRESS, ROOM SERVICE	3	2	2	3	L45	I	08.0905	5216	43900	70041899	438
311.477-038	WAITER/WAITRESS, TAKE OUT	3	2	2	3	L45	I	08.0905	5216	43900	70041899	438
311.674-010	CANTEEN OPERATOR	2	1	2	3	L45	I	08.0905	5216	43010	70041899	438
311.674-018	WAITER/WAITRESS, BUFFET	2	2	1	3	L345	I	08.0905	5213	43009	70041602	435
311.677-010	CAFETERIA ATTENDANT	2	1	1	2	L4	I	08.0905	5218	43003	70040600	443

NNN PROGRAM: 20.0406 FOOD SERVICE. CONTINUED NNN

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	D E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
311.677-014	COUNTER ATTENDANT, CAFETERIA	2	1	2	3	L45	I	20.0408 08.0905	5216	43010	70041899	438
311.677-018	DINING ROOM ATTENDANT	2	1	1	2	M345	I	20.0408 08.0905	5218	43003	70040600	443
312.474-010	BARTENDER	3	2	2	3	L456	I	08.0905	5212	43002	70040400	043
312.477-010	BAR ATTENDANT	2	2	2	2	L45	I		5212	43002	70040400	043
312.677-010	TAPROOM ATTENDANT	2	1	1	2	L4	I		5212	43002	70040400	043
312.687-010	BARTENDER HELPER	2	1	1	2	M34	I		5218	43003	70040600	443
313.381-014	BAKER, PIZZA	3	2	1	5	M46	I	20.0403	5214	43011	70040802	436
316.661-010	CARVER	3	2	2	4	L46	I36	48.0402	5217	43004	70041400	439
316.684-014	DELI CUTTER-SLICER	2	2	1	2	L46	I6	48.0402	5217	43004	70041400	439
317.384-010	SALAD MAKER	3	2	3	5	L46	I		5217	43015	70041805	439
317.684-010	COFFEE MAKER	2	1	1	2	M46	I6		5217	43015	70041805	439
317.684-014	PANTRY GOODS MAKER	3	2	3	3	L46	I56		5217	43015	70041805	439
317.684-018	SANDWICH MAKER	2	1	1	2	M4	I		5217	43015	70041805	439
317.687-010	COOK HELPER	2	1	1	2	M4	I		5219	43007	70041802	444
318.137-010	KITCHEN STEWARD/STEWARDESS	4	3	4	6	M45	I45		5211	44014	70200001	433
318.687-010	KITCHEN HELPER	2	1	1	2	M4	I346	20.0408	5219	43007	70041802	444
318.687-014	SCULLION	2	1	1	2	M4	I		5219	43007	70041802	444
319.137-010	FOOD-SERVICE SUPERVISOR	4	3	3	6	L45	I	20.0404	5211	44014	70200001	433
319.137-014	MANAGER, FLIGHT KITCHEN	4	3	3	7	L45	I	20.0408 20.0405	5211	44014	70200001	433
319.137-018	MANAGER, INDUSTRIAL CAFETERIA	4	3	3	6	L5	I		5211	44014	70200001	433
319.137-022	SUPERVISOR, COMMISSARY PRODUCTION	4	3	3	7	L456	I	20.0405	5211	44014	70200001	433
319.467-010	FOOD ORDER EXPEDITER	3	2	2	3	L456	I	08.0905	5219	43900	70041899	444
319.474-010	FOUNTAIN SERVER	2	2	2	2	L45	I	08.0905	5216	43010	70041899	438
319.484-010	FOOD ASSEMBLER, KITCHEN	2	2	1	3	L4	I	20.0405	5219	43007	70041802	444
319.687-010	COUNTER-SUPPLY WORKER	2	1	1	2	M4	I	08.0905	5218	43007	70041802	443
350.137-010	HEADWAITER/HEADWAITRESS	3	2	3	7	L5	I	20.0408 08.0905	5211	44014	70200001	433
350.137-014	STEWARD/STEWARDESS, CHIEF, CARGO VESSEL	4	3	3	7	L5	I		5211	44014	70200001	433
350.137-018	STEWARD/STEWARDESS, CHIEF, PASSENGER SHI	4	3	3	7	L5	I	08.1103	5211	44014	70200001	433
350.137-022	STEWARD/STEWARDESS, SECOND	4	2	3	7	L5	I	08.1103	5211	44014	70200001	433
350.677-030	WAITER/WAITRESS	3	1	2	3	L45	I	08.0905	5213	43009	70041602	435
520.487-014	FORMULA-ROOM WORKER	2	2	2	3	L46	I		5233	59002	63000000	446
520.582-010	DOUGH MIXER	3	2	3	5	H4	I	20.0402	7664	55B93	61083856	756
520.682-014	CENTER-MACHINE OPERATOR	3	2	2	5	M46	I		7463	59002	63000000	755
520.682-026	MOLDING-MACHINE OPERATOR	3	2	3	6	L4	I		7479	55T57	61086201	777
520.682-030	SPINNER	3	2	2	6	M46	I36		7664	55P73	61086229	756
520.684-010	ALMOND-PASTE MOLDER	2	1	2	5	L46	I		7755	55T44	50140201	787
520.684-014	ROLLER 1	3	2	2	3	M4	I		7755	55T44	50140201	787
520.685-010	BATTER MIXER	3	2	2	4	L346	I5		7664	55B93	61083856	756
520.685-046	CANDY PULLER	3	2	2	5	M4	I		7664	59002	63000000	756
520.685-050	CANDY-MAKER HELPER	3	2	1	4	M346	I		7664	56900	80002823	756
520.685-062	CASTING-MACHINE OPERATOR	2	1	1	2	L4	I		7663	59003	80002899	755
520.685-102	FLAKING-ROLL OPERATOR	3	1	1	3	L46	I5		7663	59002	63000000	755
520.685-122	LOZENGE-DOUGH MIXER	2	2	2	4	H4	I		7664	55B93	61083856	756
520.685-138	MIXER	2	2	1	3	M46	I		7664	55B93	61083856	756

*** PROGRAM: 20.0406 FOOD SERVICE. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
520.685-154	MIXER-AND-BLENDER	3	2	2	4	H4	I5		7664	55B93	61083856	756
520.685-226	UNLEAVENED-DOUGH MIXER	2	1	1	2	L4	I5	20.0402	7664	55B93	61083856	756
520.686-030	MOLDING-MACHINE-OPERATOR HELPER	1	1	1	2	M4	I		8725	59003	80002899	878
520.687-014	BLINTZE ROLLER	1	1	1	2	M4	I		8769	59003	80002899	889
520.687-018	CANDY MOLDER, HAND	2	1	1	3	L4	I		7755	55T57	61086201	787
520.687-022	CANDY SPREADER	1	1	1	2	M4	I6		8769	59003	80002899	889
521.687-066	FRUIT CUTTER	1	1	1	1	L4	I		8769	55578	63000000	889
521.687-094	PEELED-POTATO INSPECTOR	1	1	1	2	L46	I		7820	55B58	50142202	796
522.685-034	CORN COOKER	2	2	2	2	H4	I5		7679	55A79	61086035	777
523.685-010	BATCH FREEZER	2	1	1	2	H345	I		7665	55G81	61086283	777
523.685-022	CHOCOLATE TEMPERER	2	1	1	3	M4	I		7664	59002	63000000	756
524.381-014	DECORATOR	4	3	3	6	L46	I		6879	55L82	61086019	688
524.382-014	ENROBING-MACHINE OPERATOR	3	1	2	6	L46	I	20.0402	7669	55524	61089085	759
524.665-010	SANDING-MACHINE OPERATOR	1	1	1	2	M4	I		7669	55524	61089085	759
524.684-010	CANDY DIPPER, HAND	2	1	1	4	L46	I		7756	55H47	61089012	789
524.684-018	ENROBING-MACHINE CORDER	2	1	1	4	L4	I		7756	55524	61089085	789
524.686-010	ENROBING-MACHINE FEEDER	2	1	1	2	L46	I		8725	59003	80002899	878
524.686-014	NOVELTY WORKER	2	1	1	2	L4	I5		8769	55L82	61086019	889
524.687-014	GARNISHER	1	1	1	1	L4	I		8769	59003	80002899	889
526.137-010	POTATO-CHIP-PROCESSING SUPERVISOR	4	3	3	6	L456	I		7100	55B29	50040003	633
526.381-026	COOK, KETTLE	3	2	2	6	M46	I6		6879	55A79	61086035	688
526.382-014	CONFECTIONERY COOKER	4	2	3	7	M4	I		7679	55A79	61086035	777
526.665-010	COOKER, PROCESS CHEESE	3	2	2	3	M46	I4		7679	55G07	61086029	777
526.682-018	COOK, SIRUP MAKER	3	2	2	4	M4	I467		7679	59002	63000000	777
526.682-034	RETORT OPERATOR	3	1	1	5	H34	I4		7676	55N08	61086204	757
526.685-014	COOK, FRY, DEEP FAT	2	1	1	2	M4	I		7679	55A79	61086035	777
526.685-018	COOK, VACUUM KETTLE	2	1	1	2	L4	I45		7679	55A79	61086035	777
526.685-026	CORN POPPER	1	1	1	2	H4	I		7672	55C10	61086292	763
526.685-030	OVEN TENDER	3	1	1	4	M34	I3	20.0402	7672	55C10	61086292	763
526.685-042	POPCORN-CANDY MAKER	2	2	1	3	L46	I		7679	55A79	61086035	777
526.685-046	POTATO-CHIP FRIER	2	1	1	3	L46	I		7679	55A79	61086035	777
526.685-050	POTATO-PANCAKE FRIER	2	1	1	2	M4	I3		7679	55A79	61086035	777
526.687-010	POTATO-CHIP SORTER	1	1	1	1	L46	I		7850	55B58	50142202	799
529.130-010	SUPERVISOR, CANDY	4	2	3	7	L456	I		7100	55B29	50040003	633
529.131-014	SUPERVISOR, DAIRY PROCESSING	4	3	3	7	L2456	I345	02.0302 47.0305	7100	55B29	50040003	633
529.137-014	SANITARIAN	4	2	3	7	L2346	I47	02.0302 15.0504	7100	55B29	50040003	633
529.361-010	ALMOND-PASTE MIXER	4	2	3	8	M46	I5		6873	55F48	61086245	688
529.361-014	CANDY MAKER	4	3	4	7	M346	I		6873	55F48	61086245	688
529.385-010	NOODLE MAKER	2	1	2	3	H4	I7		7679	59002	63000000	777
529.482-022	SIRUP MAKER	3	2	2	5	L46	I		7679	59002	63000000	777
529.484-010	STEAK SAUCE MAKER	3	2	3	3	M4	I3		7759	59002	63000000	795
529.684-010	FROZEN PIE MAKER	2	1	1	2	M4	I2		7759	59003	80002899	795
529.684-014	INGREDIENT SCALER	3	2	3	2	M34	I		7840	55K17	61089029	798
529.685-078	CORN-PRESS OPERATOR	2	1	1	3	M4	I		7663	59002	63000000	755
529.685-082	CUTTER	1	1	1	2	L4	I57		7678	55522	61081462	769
529.687-050	COOK HELPER	2	2	2	3	M346	I5		8618	59002	63000000	873
529.687-122	KISS SETTER, HAND	1	1	1	4	L46	I		7740	59002	63000000	785

PROGRAM: 20.0407 FOOD TESTING.
------------- AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO SELECT AND CORRECTLY USE PROPER TOOLS AND EQUIPMENT FOR SPECIFIED FOOD TESTS, USUALLY UNDER THE DIRECTION OF FOOD SCIENTISTS, TECHNICIANS OR HOME ECONOMISTS. INCLUDES INSTRUCTIONS IN IDENTIFYING QUALITIES OF VARIOUS FOOD; COLLECTING AND TESTING FOOD SAMPLES AS DIRECTED; MAKING ELEMENTARY STATISTICAL CALCULATIONS; RECORDING TEST RESULTS; COMPARING TEST RESULTS WITH SAMPLES OR PREPARED STANDARDS; REPORTING VARIATIONS FROM STANDARDS TO DIRECTOR OF QUALITY CONTROL; AND CHECKING AND CALIBRATING VARIOUS TESTING INSTRUMENTS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
029.261-010	LABORATORY TESTER	4	4	3	5	L46	I	02.0306 15.0601 15.0602 15.0702 15.0903 41.0301 41.0302	3831	33001	10081899	224
029.361-014	FOOD TESTER	5	5	4	5	L46	I7	02.0302 02.0306 15.0504 15.0602	3831	33001	10081899	224
168.267-042	FOOD AND DRUG INSPECTOR	5	4	5	6	L456	I	02.0306 15.0504 15.0602	1473	10001	20040800	036
199.251-010	TESTER, FOOD PRODUCTS	4	3	4	6	L456	I		3990	39000	10141404	235
520.487-010	CHEESE BLENDER	4	4	3	6	L46	I2		7830	59002	63000000	797
522.584-010	OLIVE BRINE TESTER	2	2	2	3	L46	B		7830	55Q57	50142205	797
526.381-018	BAKER, TEST	3	2	2	6	L46	I		6872	55E36	50140202	687
526.381-022	CAKE TESTER	3	2	2	6	L4	I		6881	55E36	50140202	689
529.281-010	TASTER	4	3	4	7	L4	I	02.0306 15.0602	6881	55B58	50142202	689
529.367-018	QUALITY-CONTROL INSPECTOR	3	2	2	4	L4	I		7840	59002	63000000	798
529.387-022	GAGER	3	2	2	5	L46	I		7830	55Q57	50142205	797
529.387-030	QUALITY-CONTROL TECHNICIAN	3	2	3	4	L4	I		7830	55Q57	50142205	797
529.685-274	X-RAY INSPECTOR	2	1	1	2	L46	I	47.0503	7820	55B58	50142202	796
529.687-178	SAMPLER	2	2	2	2	L46	I		7840	55N52	80002899	798

PROGRAM: 20.0408 SCHOOL FOOD SERVICE.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS FOR OVERALL PLANNING, SUPERVISING, PURCHASING, PREPARING, AND SERVING FOODS AND FOOD PRODUCTS IN SCHOOL FOOD-SERVICE ESTABLISHMENTS. INCLUDES INSTRUCTION IN PLANNING APPETIZING AND NUTRITIONAL MENUS SUITABLE FOR SCHOOL-AGE STUDENTS; CREATING AN ENJOYABLE AND PLEASANT ENVIRONMENT FOR SERVING OF FOODS; RECORDING MEALS SERVED AND FOOD USED ON A DAILY BASIS; TAKING INVENTORY OF SUPPLIES AND EQUIPMENT; ASSISTING IN CLEANING SCHOOL FOOD-SERVICE FACILITIES; AND PERFORMING DISHWASHING TASKS AND STORAGE OF EQUIPMENT OR FOOD ACCORDING TO HEALTH, SAFETY, AND SANITATION REGULATIONS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
187.167-026	DIRECTOR, FOOD SERVICES	5	4	4	7	L56	I	06.0704 20.0406	1351	10049	20061400	019
311.137-010	COUNTER SUPERVISOR	3	2	3	6	L345	I	08.0905 20.0406	5211	44014	70200001	433
311.677-010	CAFETERIA ATTENDANT	2	1	1	2	L4	I	08.0905 20.0406	5218	43003	70040600	443
311.677-014	COUNTER ATTENDANT, CAFETERIA	2	1	2	3	L45	I	08.0905 20.0406	5216	43010	70041899	438
313.131-018	COOK, HEAD, SCHOOL CAFETERIA	4	3	3	6	M4	I		5211	44014	70200001	433
313.381-030	COOK, SCHOOL CAFETERIA	3	2	2	6	M4	I3		5214	43016	70040804	436
315.361-010	COOK	3	2	2	6	M46	I4	20.0100 20.0403	5214	43016	70040804	436
318.687-010	KITCHEN HELPER	2	1	1	2	M4	I346	20.0406	5219	43007	70041802	444
319.137-010	FOOD-SERVICE SUPERVISOR	4	3	3	6	L45	I	20.0404 20.0406	5211	44014	70200001	433
319.687-010	COUNTER-SUPPLY WORKER	2	1	1	2	M4	I	08.0905 20.0406	5218	43007	70041802	443

PROGRAM: 20.0499 FOOD PRODUCTION, MANAGEMENT AND SERVICES, OTHER.

AN INSTRUCTIONAL PROGRAM IN FOOD PRODUCTION, MANAGEMENT, AND SERVICES NOT DESCRIBED ABOVE.

PROGRAM: 20.0500 HOME FURNISHINGS AND EQUIPMENT MANAGEMENT, PRODUCTION AND SERVICES.

A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS IN THE ENTIRE SPECTRUM OF HOME FURNISHINGS AND EQUIPMENT. INCLUDES INSTRUCTION IN ASSISTING PURCHASERS IN SELECTING AND MAINTAINING SUITABLE HOME FURNISHINGS AND/OR EQUIPMENT; ASSISTING INTERIOR DESIGNERS, DECORATORS OR PROFESSIONAL HOME SERVICE DIRECTORS; MAKING SLIPCOVERS, DRAPERIES, CURTAIN AND WINDOW TREATMENTS, AND UPHOLSTERY; AND DESIGNING ACCESSORIES SUCH AS FLORAL ARRANGEMENTS OR DECORATIONS.

PROGRAM: 20.0501 HOME FURNISHINGS AND EQUIPMENT MANAGEMENT, PRODUCTION AND SERVICES, GENERAL.

AN INSTRUCTIONAL PROGRAM THAT GENERALLY PREPARES INDIVIDUALS IN THE ENTIRE SPECTRUM OF HOME FURNISHINGS AND EQUIPMENT. INCLUDES INSTRUCTION IN ASSISTING PURCHASERS IN SELECTING AND MAINTAINING SUITABLE HOME FURNISHINGS AND/OR EQUIPMENT; ASSISTING INTERIOR DESIGNERS, DECORATORS, OR PROFESSIONAL HOME SERVICE DIRECTORS; MAKING SLIP COVERS, DRAPERIES, CURTAIN AND WINDOW TREATMENTS, AND UPHOLSTERY; AND DESIGNING ACCESSORIES SUCH AS FLORAL ARRANGEMENTS OR DECORATIONS.

PROGRAM: 20.0502 CUSTOM DRAPERY AND WINDOW TREATMENT DESIGN/MAKING.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO CUSTOM DESIGN AND CONSTRUCT DRAPERIES AND OTHER WINDOW TREATMENTS. INCLUDES INSTRUCTION IN ART PRINCIPLES, COLOR DESIGN, TEXTILES, FABRICS, AND FINISHES; SELECTING APPROPRIATE FABRIC; MEASURING AND DETERMINING MATERIALS NEEDED; DETERMINING COST OF MATERIALS AND LABOR; CONSTRUCTING VARIOUS TYPES OF DRAPERIES AND OTHER WINDOW TREATMENTS; USING CHEMICAL OR OTHER FINISHES TO PROLONG THE LIFE OF FABRICS; AND INSTALLING DRAPERIES OR OTHER WINDOW TREATMENT FIXTURES AND OTHER MATERIALS.

DICTIONARY OF OCCUPATIONAL TITLES CODE	FOURTH EDITION TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
270.357-022	SALESPERSON, CURTAINS AND DRAPERIES	4	3	4	4	L456	I	08.0706 08.0705 08.0804 20.0505 20.0506	4348	71999	30001807	266
299.364-010	DRAPERY AND UPHOLSTERY MEASURER	3	3	2	6	L456	I	08.0804 20.0503 20.0506 48.0303	4490	55D71	61089221	285
299.387-010	DRAPERY AND UPHOLSTERY ESTIMATOR	3	3	2	5	S4	I	08.0804 20.0503 20.0506 48.0303	4490	55D71	61089221	285
686.685-046	PREPLEATER	3	1	2	3	L4	I		7659	55M34	61081207	749
689.685-026	BOUFFANT-CURTAIN-MACHINE TENDER	3	1	2	4	L46	I		7655	55C79	61085215	744
692.685-250	WINDOW-SHADE CUTTER AND MOUNTER	2	1	1	3	L46	I		7654	59002	63000000	743
692.685-254	WINDOW-SHADE-RING SEWER	2	1	1	2	S46	I		7655	59003	80002899	744
692.685-262	WOOD-WEB-WEAVING-MACHINE OPERATOR	2	1	2	3	M46	I5		7639	59002	63000000	733
706.484-010	DRAPERY-ROD ASSEMBLER	2	1	2	3	M4	I		7720	55E22	61080440	785
781.584-014	CUTTER, HAND 1	3	1	2	5	L46	I	20.0303	7753	55S78	63000000	786
781.684-014	CUTTER, MACHINE 1	3	2	2	5	M346	I	20.0303 48.0303	7753	55H25	61081417	786
781.684-022	CUTTING INSPECTOR	3	1	1	3	L46	I		7820	55B58	50142202	796

***** PROGRAM: 20.0502 CUSTOM DRAPERY AND WINDOW TREATMENT DESIGN/MAKING.** CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES CODE	FOURTH EDITION TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
781.684-030	DRAPERY-HEAD FORMER	2	1	1	2	L4	I4		7720	59003	80002899	785
781.684-034	LAY-OUT-MACHINE OPERATOR	3	1	1	4	L46	I		7753	59002	63000000	786
786.682-046	BLINDSTITCH-MACHINE OPERATOR	2	1	1	2	L46	I5	20.0303	7655	55C76	61085220	744
787.132-010	SEWING SUPERVISOR	4	3	3	6	L456	I5		7100	55B29	50040003	633
787.682-018	DRAPERY OPERATOR	3	1	2	4	L46	I		7655	55C78	61085205	744
787.682-026	HEMMER	3	1	1	4	L46	I5		7655	55C78	61085205	744
787.682-030	MENDER	3	1	2	4	L46	I	20.0302	6179	55B96	61085204	547
787.682-034	OVEREDGE SEWER	3	1	2	4	L46	I		7655	55C78	61085205	744
787.682-066	SEWING-MACHINE OPERATOR	3	1	1	4	L46	I		7655	55C78	61085205	744
787.682-078	SHIRRING-MACHINE OPERATOR	3	1	2	4	L46	I		7655	55C78	61085205	744
787.685-018	HEMMER, AUTOMATIC	3	1	1	3	L46	I		7655	55C79	61085215	744
787.685-026	PLEATER	3	1	1	3	L46	I		7655	55C79	61085215	744
787.685-038	SHIRRING-MACHINE OPERATOR, AUTOMATIC	2	1	1	3	L46	I		7655	55C79	61085215	744
789.132-010	SUPERVISOR	4	3	3	7	L456	I5		7100	55B29	50040003	633
789.587-014	INSPECTOR, FABRIC	3	1	2	3	L46	I		7820	55B58	50142202	796
869.484-014	DRAPERY HANGER	3	2	2	5	M46	I		6479	55D72	50083201	599
962.381-010	DRAPER	3	2	2	7	M246	B		6859	59001	50144899	674

PROGRAM: 20.0503 CUSTOM SLIPCOVERING AND UPHOLSTERING.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO UPHOLSTER, REUPHOLSTER, REPAIR, AND SLIPCOVER HOME FURNISHING ITEMS IN ACCORDANCE WITH CUSTOMER SPECIFICATIONS. INCLUDES INSTRUCTION IN ART PRINCIPLES, COLOR SCHEMES. TEXTURES, DESIGNS, AND TEXTILES; SELECTING FABRICS, TRIMS AND FINISHES APPROPRIATE FOR THE PARTICULAR ITEM(S); MEASURING AND DETERMINING COST OF MATERIALS AND LABOR; IDENTIFYING AND USING CHEMICAL TREATMENTS THAT PROLONG THE LIFE OF FABRICS AND MATERIALS; AND CONSTRUCTING AND USING LATEST TECHNIQUES AND METHODS FOR UPHOLSTERING, REUPHOLSTERING, REPAIRING AND SLIPCOVERING THE VARIOUS TYPES OF HOME FURNISHINGS.

DICTIONARY OF OCCUPATIONAL TITLES CODE	FOURTH EDITION TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
259.357-026	SALES REPRESENTATIVE, UPHOLSTERY AND FUR	4	3	3	5	L56	I	08.0706 08.0804	4348	71900	30001899	266
299.364-010	DRAPERY AND UPHOLSTERY MEASURER	3	3	2	6	L456	I	08.0804 20.0502 20.0506 48.0303	4490	55D71	61089221	285
299.387-010	DRAPERY AND UPHOLSTERY ESTIMATOR	3	3	2	5	S4	I	08.0804 20.0502 20.0506 48.0303	4490	55D71	61089221	285
362.684-022	FURNITURE CLEANER	2	1	2	3	M346	I7	12.0102	7759	59002	63000000	795
780.131-010	SUPERVISOR, CUTTING-AND-SEWING DEPARTMEN	4	3	3	8	M3456	I5		7100	55B29	50040003	633
780.131-014	SUPERVISOR, UPHOLSTERY DEPARTMENT	4	3	3	7	L456	I	06.2001	7100	55B29	50040003	633
780.134-014	SUPERVISOR, SPRING-UP	4	3	3	7	M3456	I	06.2001	7100	55B29	50040003	633
780.381-018	FURNITURE UPHOLSTERER	4	3	3	7	M346	I	48.0303	6853	55D87	50144601	668
780.381-034	SLIPCOVER CUTTER	3	2	3	6	L346	I	48.0303	6853	55537	50144606	668

*** PROGRAM: 20.0503 CUSTOM SLIPCOVERING AND UPHOLSTERING. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
780.587-010	SORTER, UPHOLSTERY PARTS	2	1	2	3	L46	I	48.0303	7850	55P65	61060406	799
780.681-010	UPHOLSTERER, INSIDE	4	3	3	7	M346	I5	48.0303	6853	55536	50144605	668
780.682-014	SLIP-COVER SEWER	3	1	1	4	L46	I	20.0100 48.0303	7655	55C78	61085205	744
780.682-018	UPHOLSTERY SEWER	3	2	2	4	L46	I	48.0303	7655	55C78	61085205	744
780.684-034	CHAIR UPHOLSTERER	3	2	2	5	M346	I	48.0303	7720	55536	50144605	785
780.684-038	COTTON DISPATCHER	2	1	1	2	M46	I	48.0303	7720	59003	80002899	785
780.684-046	CUSHION BUILDER	2	1	1	3	L4	I	48.0303	7720	55T85	50144602	785
780.684-054	CUSHION MAKER 1	2	1	1	4	M46	I	48.0303	7720	55T85	50144602	785
780.684-058	EDGE ROLLER	2	1	1	3	L4	I	48.0303	7720	59002	63000000	785
780.684-066	FILLER	2	1	1	2	L4	I7	48.0303	7740	55T85	50144602	785
780.684-082	PANEL COVERER, METAL FURNITURE	2	1	1	2	L4	I	48.0303	7720	59003	80002899	785
780.684-094	SLIP-SEAT COVERER	2	1	1	3	L4	I	48.0303	7720	59002	63000000	785
780.684-114	TRIMMING ASSEMBLER	3	2	2	3	L46	I	48.0303	7720	55E22	61080440	785
780.684-118	UPHOLSTERER, OUTSIDE	2	1	2	4	M346	I	48.0303	7720	55536	50144605	785
780.684-122	UPHOLSTERY REPAIRER	3	1	1	6	M346	I	[illegible].0303	6179	55D87	50144601	547
780.684-126	UPHOLSTERY TRIMMER	2	1	2	3	L4	I	[illegible].0303	7720	55R04	50144604	785
780.687-018	HASSOCK MAKER	2	1	1	2	M4	I	48.0303	7720	55T85	50144602	785
780.687-046	STUFFER	1	1	1	1	L4	I	48.0303	7740	55T85	50144602	785
780.687-054	UPHOLSTERER HELPER	2	1	1	3	H4	I	48.0303	8619	59002	63000000	873
781.684-058	TRIM-STENCIL MAKER	2	2	2	3	L4	I		7720	59002	63000000	785
782.684-058	SEWER, HAND	2	1	1	3	L46	I	20.0100 20.0304	7752	55J75	63000000	667
787.682-086	ZIPPER SETTER	3	1	1	4	L46	I		7655	55C78	61085205	744
789.687-038	COVER INSPECTOR	3	2	2	3	L46	I	48.0303	7820	55B58	50142202	796

PROGRAM: 20.0504 FLORAL DESIGN.

-------------- AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO DESIGN AND FASHION FLORAL ARRANGEMENTS AND DECORATIONS. INCLUDES INSTRUCTION IN SELECTING APPROPRIATE CONTAINERS, FLOWERS, AND ACCESSORIES FOR SPECIAL OCCASIONS OR EVENTS SUCH AS WEDDINGS, DINNERS, BANQUETS, AND HOLIDAY CELEBRATIONS; WORKING WITH CONSUMERS, DECORATIONS, OR CATERERS TO PLAN AND DESIGN FLORAL ARRANGEMENTS THAT ARE APPROPRIATE AND WITHIN COST LIMITATIONS; ARRANGING VARIOUS FLORAL DECORATIONS FOR A VARIETY OF SETTINGS, INCLUDING HOUSEHOLDS AND COMMERICAL BUSINESSES; AND PACKAGING AND DELIVERING THE DECORATIVE ARRANGEMENTS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
142.081-010	FLORAL DESIGNER	4	3	3	6	L46	I24	01.0603 02.0404 08.0503	3220	25489	10221001	183
260.357-026	SALESPERSON, FLOWERS	4	3	3	4	L456	I4	08.0706 01.0603 08.0503 08.0705	4359	71999	30001807	274
739.684-014	ARTIFICIAL-FLOWER MAKER	2	1	1	3	L46	I		7720	55E22	61080440	785
739.684-182	WREATH AND GARLAND MAKER	2	1	2	2	L46	I6		7759	59003	80002899	795
739.687-010	ASSEMBLER-ARRANGER	2	1	1	2	L4	I		7720	55E22	61080440	785

PROGRAM: 20.0505 HOME DECORATING.

---------------- AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS IN PROCESSING, PROCEDURES, OBSERVATIONS, AND TECHNIQUES ESSENTIAL TO THE DEVELOPMENT OF DESIGNS FOR HOME ENVIRONMENTS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
141.051-010	COLOR EXPERT	5	2	4	7	L56	I	04.0501 48.0203	3250	25489	10221001	188
142.031-014	MANAGER, DISPLAY	5	3	4	7	L456	I	04.0501 08.0202	3220	25489	10221001	183
142.051-014	INTERIOR DESIGNER	5	3	4	7	L456	I	04.0501 15.0102	3220	25489	10221001	183
162.157-018	BUYER	4	3	4	6	L456	I	01.0503 04.0501 08.0703 08.0704 08.0705 08.0707 08.0904 20.0306 20.0308	1442	25301	10240804	029
162.157-022	BUYER, ASSISTANT	4	3	3	6	L5	I	01.0503 04.0501 08.0704 08.0705 08.0904 20.0306 20.0308	1442	25301	10240804	029

*** PROGRAM: 20.0505 HOME DECORATING. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
261.357-070	SALESPERSON, YARD GOODS	4	3	4	3	L456	I7	08.0706 08.0705 20.0306	4359	72002	30001802	274
270.357-010	SALES REPRESENTATIVE, HOME FURNISHINGS	4	3	4	5	L5	I	08.0706 08.0702 08.0805 20.0506	4348	71999	30001807	266
270.357-018	SALESPERSON, CHINA AND SILVERWARE	4	3	4	4	L45	I	08.0706 08.0705 08.0808 20.0506	4348	71999	30001807	266
270.357-022	SALESPERSON, CURTAINS AND DRAPERIES	4	3	4	4	L456	I	08.0706 08.0705 08.0804 20.0502 20.0506	4348	71999	30001807	266
270.357-026	SALESPERSON, FLOOR COVERINGS	4	3	4	4	L3456	I	08.0706 08.0705 08.0804 20.0506	4348	71999	30001807	266
270.357-030	SALESPERSON, FURNITURE	4	3	4	4	L456	I	08.0706 08.0705 08.0805 20.0506	4348	71999	30001807	266
270.357-034	SALESPERSON, HOUSEHOLD APPLIANCES	4	3	4	4	L456	I	08.0706 08.0705 08.0802 20.0507	4352	71999	30001807	267
298.081-010	DISPLAYER, MERCHANDISE	4	3	3	6	M346	I	04.0501 08.0202 20.0306 20.0306	3220	55A93	50141000	183

PROGRAM: 20.0506 HOME FURNISHINGS AIDE.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ASSIST CONSUMERS IN THE SELECTION OF HOME FURNISHINGS AND ACCESSORIES TO MEET INDIVIDUAL NEEDS, PREFERENCES, AND BUDGETS. INCLUDES INSTRUCTION IN HOW TO ASSIST INTERIOR DESIGNERS/DECORATORS IN PLANNING AND DECORATING CUSTOMER HOMES OR OFFICES; CONSTRUCTING DRAPERIES, WINDOW TREATMENT ITEMS, AND OTHER HOME ACCESSORIES; AND COORDINATING ARRANGEMENTS OF FURNITURE, SAMPLES, AND ACCESSORIES IN STORES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
229.687-010	SAMPLE CHECKER	3	1	2	3	L46	I		4757	55B58	50142202	369
270.357-010	SALES REPRESENTATIVE, HOME FURNISHINGS	4	3	4	5	L5	I	08.0706	4348	71999	30001807	266
270.357-010	SALES REPRESENTATIVE, HOME FURNISHINGS	4	3	4	5	L5	I	08.0702 08.0805 20.0505	4348	71999	30001807	266

*** PROGRAM: 20.0506 HOME FURNISHINGS AIDE. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
270.357-018	SALESPERSON, CHINA AND SILVERWARE	4 3 4	4	L45	I	08.0706 08.0705 08.0808 20.0505	4348	71999	30001807	266
270.357-022	SALESPERSON, CURTAINS AND DRAPERIES	4 3 4	4	L456	I	08.0706 08.0705 08.0804 20.0502 20.0505	4348	71999	30001807	266
270.357-026	SALESPERSON, FLOOR COVERINGS	4 3 4	4	L3456	I	08.0706 08.0705 08.0804 20.0505	4348	71999	30001807	266
270.357-030	SALESPERSON, FURNITURE	4 3 4	4	L456	I	08.0706 08.0705 08.0805 20.0505	4348	71999	30001807	266
299.364-010	DRAPERY AND UPHOLSTERY MEASURER	3 3 2	6	L456	I	08.0804 20.0502 20.0503 48.0303	4490	55D71	61089221	285
299.387-010	DRAPERY AND UPHOLSTERY ESTIMATOR	3 3 2	5	S4	I	08.0804 20.0502 20.0503 48.0303	4490	55D71	61089221	285

PROGRAM: 20.0507 HOME-SERVICE ASSISTING.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ASSIST PROFESSIONAL HOME-SERVICE DIRECTORS IN DEMONSTRATING VARIOUS KINDS OF LARGE AND SMALL APPLIANCES AND/OR HOUSEHOLD EQUIPMENT TO CONSUMERS; IN SELECTING, USING, AND CARING FOR EQUIPMENT FOR MAXIMUM CONSUMER SATISFACTION AND ENERGY CONSERVATION; AND IN PLANNING OF KITCHENS, LAUNDRY AREAS, AND OTHER WORK PLACES IN HOMES, CHURCHES, COMMUNITY CENTERS, SCHOOLS, AND OTHER INSTITUTIONS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
096.161-010	HOME-SERVICE DIRECTOR	5 3 5	8	L5	I		1283	25532	10243899	014
270.357-034	SALESPERSON, HOUSEHOLD APPLIANCES	4 3 4	4	L456	I	08.0706 08.0705 08.0802 20.0505	4352	71999	30001807	267
297.354-010	DEMONSTRATOR	3 3 3	3	L45	I	08.0706 08.0705 20.0306 20.0603	4450	72004	30001899	283
297.357-010	DEMONSTRATOR, ELECTRIC-GAS APPLIANCES	5 3 5	6	L5	I	08.0706 08.0202 08.0802	4450	72004	30001899	283
297.454-010	DEMONSTRATOR, SEWING TECHNIQUES	3 3 3	3	L45	I	20.0306	4450	72004	30001899	283

PROGRAM: 20.0599 HOME FURNISHINGS AND EQUIPMENT MANAGEMENT, PRODUCTION, AND SERVICES, OTHER. ANY INSTRUCTIONAL PROGRAM IN HOME FURNISHINGS, EQUIPMENT MANAGEMENT, PRODUCTION, AND SERVICES NOT DESCRIBED ABOVE.

PROGRAM: 20.0600 INSTITUTIONAL, HOME MANAGEMENT, AND SUPPORTING SERVICES. A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS FOR OCCUPATIONS IN INSTITUTIONAL/EXECUTIVE HOUSEKEEPING; HOTEL/MOTEL HOUSEKEEPING; COMMERCIAL CLEANING; PROVISION OF SERVICES TO THE AGED IN THEIR HOMES AND IN INSTITUTIONS; ASSISTANCE IN THE MANAGEMENT OF HOUSEHOLD TASKS; AND ASSISTANCE TO CONSUMERS IN DECISIONMAKING IN RELATION TO HOUSING, FOOD, CLOTHING, COMMUNITY RESOURCES, AND OTHER HOMEMAKING CONCERNS.

PROGRAM: 20.0601 INSTITUTIONAL, HOME MANAGEMENT, AND SUPPORTING PROGRAMS, GENERAL. AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS FOR OCCUPATIONS IN INSTITUTIONAL/EXECUTIVE HOUSEKEEPING; HOTEL/MOTEL HOUSEKEEPING; COMMERCIAL CLEANING; PROVISION OF SERVICES TO THE AGED IN THEIR HOME AND IN INSTITUTIONS; ASSISTANCE IN THE MANAGEMENT OF HOUSEHOLD TASKS; AND ASSISTANCE TO CONSUMERS IN DECISIONMAKING IN RELATION TO HOUSING, FOOD, CLOTHING, COMMUNITY RESOURCES, AND OTHER HOMEMAKING CONCERNS.

PROGRAM: 20.0602 COMPANION TO THE AGED. AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ASSIST AGED PERSONS WITH PERSONAL, SOCIAL, AND BUSINESS AFFAIRS, INCLUDING GROOMING AND DRESSING; CARE FOR CLOTHING AND HOUSEHOLD LINENS; PREPARATION AND SERVICE OF MEALS; PRACTICE OF SAFETY MEASURES TO PREVENT ACCIDENTS; KEEPING HOUSE; ANSWERING CORRESPONDENCE AND PAYING BILLS; OUTINGS FOR EXERCISE OR SOCIAL ACITIVITES; AND READING, PLAYING GAMES, PLAYING CARDS, OR OTHER ENTERTAINMENT ACTIVITIES. PROGRAMS PREPARE INDIVIDUALS TO PERFORM OTHER DUTIES TO PROTECT OR PROMOTE THE WELL-BEING OF THE AGED/ELDERLY BY ASSISTING THEM IN LIVING INDEPENDENTLY IN THEIR OWN HOMES, THUS PREVENTING ADVERSE EFFECTS OF ISOLATION AND LONELINESS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
309.674-014	PERSONAL ATTENDANT	2 2 2	3	L45	I	20.0100 20.0302 20.0606	5090	00000	70121099	407
309.677-010	COMPANION	3 2 3	3	L45	I	20.0100	5090	00000	70121099	407
354.377-014	HOME ATTENDANT	3 2 2	3	M456	B	17.0404 17.0601 17.0602	5236	49000	70200099	447

PROGRAM: 20.0603 CONSUMER AIDE/ASSISTING.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ASSIST CONSUMERS IN MAKING WISE AND SATISFYING SELECTIONS AND RATIONAL DECISIONS IN THE MARKETPLACE. INCLUDES INSTRUCTION IN PREPARING MENUS OR RECIPES USING FOOD SPECIALS OR IN-SEASON FOODS; POSTING UNIT COSTS; DEMONSTRATING NEW FOOD PRODUCTS AND EQUIPMENT; ADVISING CONSUMERS ON THE USE, CARE, AND STORAGE OF PRODUCTS AND EQUIPMENT; PREPARING INFORMATION EXHIBITS, DISPLAYS, AND HANDOUTS; PERFORMING PERSONAL SHOPPING SERVICES; AND PERFORMING OTHER ACTIVITIES THAT ARE APPROPRIATE IN MEETING THE NEEDS OF CONSUMERS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
296.357-018	PERSONAL SHOPPER	4	3	3	5	L5	I	08.0706 08.0705 20.0306	4460	79000	30001899	285
296.367-014	COMPARISON SHOPPER	4	2	3	3	L6	I	20.0306	4460	79000	30001899	285
297.354-010	DEMONSTRATOR	3	3	3	3	L45	I	08.0706 08.0705 20.0306 20.0507	4450	72004	30001899	283

PROGRAM: 20.0604 CUSTODIAL SERVICES.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO CARE FOR BUILDINGS; FIXTURES; FURNISHINGS; FLOOR SURFACES SUCH AS LINOLEUM, PLASTIC, TERAZZO, TILE, RUGS, AND WOOD; AND WALL COVERINGS SUCH AS PANEL, PAINT, PLASTIC, WOOD, AND SYNTHETIC MATERIALS. INSTRUCTION IS GIVEN IN USING AND CARING FOR TOOLS; DUSTING, WET MOPPING, SCRUBBING, WAXING, AND REFINISHING SURFACES; CLEANING TOILETS, WINDOWS, AND WALLS; APPLYING VARIOUS CLEANING AGENTS, PROTECTIVE COATINGS, AND DISINFECTANTS; SCHEDULING WORK; AND PURCHASING CUSTODIAL SUPPLIES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
323.687-010	CLEANER, HOSPITAL	2	1	2	2	L234	I		5242	41003	70020600	449
381.137-010	SUPERVISOR, JANITORIAL SERVICES	4	2	3	6	M345	I		5241	44014	70200001	448
381.687-014	CLEANER, COMMERCIAL OR INSTITUTIONAL	1	1	1	2	H234	I		5244	41900	70020600	453
381.687-018	CLEANER, INDUSTRIAL	2	1	2	2	H346	I		5244	41900	70020600	453
381.687-026	CLEANER, WALL	1	1	1	2	M2346	I4		5244	41900	70020600	453
381.687-034	WAXER, FLOOR	1	1	1	2	M346	I6		5244	41900	70020600	453
382.137-010	SUPERVISOR, MAINTENANCE	4	3	3	6	M345	B	06.2001	5241	55B29	50040003	448
389.683-010	SWEEPER-CLEANER, INDUSTRIAL	1	1	1	2	M346	I		5244	41900	70020600	453
389.687-014	CLEANER, WINDOW	1	1	1	2	M2346	B46		5244	41900	70020600	453
699.137-010	SUPERVISOR, CLEANING	4	2	3	7	L45	I4		8500	55B29	50040003	863
869.687-018	CLEANER	2	1	1	2	M34	I5		8710	59003	80002899	869
891.137-014	SUPERVISOR, AIRCRAFT CLEANING	4	3	3	7	L245	I		8500	55B29	50040003	863
891.685-010	STEAM-CLEANING-MACHINE OPERATOR	2	1	1	4	L4	O		6479	59002	63000000	599
891.687-018	PROJECT-CREW WORKER	2	1	1	3	M234	B467		5244	59002	63000000	453
910.137-014	CAR-CLEANING SUPERVISOR	3	3	3	6	L56	O		8500	55B29	50040003	863
919.687-014	CLEANER 2	2	1	1	1	M34	B4		8750	55A61	80002401	887

PROGRAM: 20.0605 EXECUTIVE HOUSEKEEPING.

---------------------- AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO CLEAN AND CARE FOR FLOORS, FLOOR COVERINGS, WALLS, WOODWORK, WINDOWS, WINDOW TREATMENTS, FURNISHINGS, AND EQUIPMENT; MAKE BEDS; LAUNDER AND STORE HOUSEHOLD LINENS; AND USE CLEANING AND SANITIZING COMPOUNDS, FLUIDS, AND CHEMICALS CORRECTLY TO PROTECT HEALTH AND SAFETY OF INDIVIDUALS. ADVANCED INSTRUCTION AND TRAINING PREPARES LEARNERS TO ASSUME EXECUTIVE HOUSEKEEPING DUTIES SUCH AS ESTABLISHING STANDARDS AND PROCEDURES FOR HOUSEKEEPING STAFF; PLANNING WORK SCHEDULES; MAKING RECOMMENDATIONS TO MANAGEMENT FOR REPAIRS, REPLACEMENT, OR RELOCATION OF FURNISHINGS, EQUIPMENT, OR SPACE; KEEPING INVENTORIES OF SUPPLIES AND EQUIPMENT; AND EVALUATING PERFORMANCE OF STAFF WITH RECOMMENDATIONS FOR PROMOTION OR DISMISSAL.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
187.167-046	EXECUTIVE HOUSEKEEPER	5	4	4	6	L56	I		1351	19000	20061699	019
222.387-030	LINEN-ROOM ATTENDANT	3	2	2	3	L4	I	07.0708	4754	62008	40065404	365
301.137-010	HOUSEKEEPER, HOME	4	2	3	6	L4	I	20.0606	5050	00000	70120600	405
309.137-010	BUTLER	4	2	3	6	L45	I	20.0606	5050	00000	70120600	405
309.674-010	BUTLER, SECOND	3	1	2	3	L45	I	20.0606	5050	00000	70120600	405
321.137-010	HOUSEKEEPER	3	2	3	6	M456	I		5241	44019	70080616	448
321.137-014	INSPECTOR	3	2	3	6	L456	I		5241	44019	70080616	448
323.137-010	SUPERVISOR, HOUSECLEANER	3	2	3	6	M456	I		5241	44019	70080616	448
323.687-014	CLEANER, HOUSEKEEPING	2	1	2	2	M234	I		5242	41003	70020600	449
323.687-018	HOUSECLEANER	2	1	1	2	H234	I		5242	41005	70020600	449
329.137-010	SUPERINTENDENT, SERVICE	3	3	3	7	L5	I	06.0701 08.0902	5241	44014	70200001	448
329.467-010	ATTENDANT, LODGING FACILITIES	2	2	2	3	M345	B	08.0902	5249	49000	70200099	449
350.137-026	STEWARD/STEWARDESS, THIRD	4	2	3	7	L5	I	08.1103	5241	44014	70200001	448
350.677-010	MESS ATTENDANT	2	1	2	3	M345	I		5213	43900	70041899	435
355.687-010	CLOTHES-ROOM WORKER	2	1	2	2	L4	I		4754	62008	40065404	365
358.687-010	CHANGE-HOUSE ATTENDANT	2	1	2	2	M4	I4		5244	41900	70020600	453
361.137-010	SUPERVISOR, LAUNDRY	3	3	3	6	L456	I4	12.0103 20.0302	6700	55829	50040003	633
361.587-010	FLATWORK TIER	2	2	2	2	L34	I	12.0103	7850	59003	80002899	799
361.665-010	WASHER, MACHINE	3	2	2	4	M34	I45	12.0103 20.0302	7658	53004	61082804	748
361.685-010	CONDITIONER-TUMBLER OPERATOR	2	1	2	2	M4	I34	12.0103	7658	53005	61082805	748
361.685-014	CONTINUOUS-TOWEL ROLLER	2	1	1	2	L4	I4	12.0103	7658	59003	80002899	748
361.685-018	LAUNDRY WORKER 2	2	1	1	2	M34	I345	12.0103 20.0302	7658	59003	80002899	748
361.685-022	PATCHING-MACHINE OPERATOR	1	1	1	2	L46	I	12.0103 20.0302	7658	59003	80002899	748
361.687-010	ASSEMBLER, WET WASH	2	1	1	2	M4	I4	12.0103	7850	53001	61082801	799
361.687-014	CLASSIFIER	2	1	2	2	L346	I4	12.0103	7850	53001	61082801	799
361.687-022	LINEN GRADER	2	1	1	2	L346	I	12.0103	7850	53001	61082801	799

PROGRAM: 20.0606 HOMEMAKER'S AIDE.

----------------- AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ASSIST HOMEMAKERS IN MANAGEMENT AND OPERATION OF THE HOME. INCLUDES INSTRUCTION IN THE CARE AND GUIDANCE OF CHILDREN, CARE OF THE AGED OR CONVALESCENT; MEAL PLANNING, MARKETING, AND FOOD PREPARATION AND SERVICE; LAUNDERING AND CARING FOR CLOTHING AND HOUSEHOLD LINENS; CLEANING AND CARING FOR HOME FURNISHINGS, HOUSEHOLD FURNISHINGS, AND HOUSEHOLD EQUIPMENT; OVERALL MANAGEMENT AND DECISIONMAKING; AND INTERPERSONAL RELATIONSHIPS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
195.367-014	MANAGEMENT AIDE	4 3 4	5	L45	I		2032	44080	70083000	174
301.137-010	HOUSEKEEPER, HOME	4 2 3	6	L4	I	20.0605	5050	00000	70120600	405
301.474-010	HOUSE WORKER, GENERAL	3 2 2	3	L34	I		5070	00000	70121099	407
301.687-010	CARETAKER	2 1 2	2	M234	B		5070	00000	70121099	407
301.687-014	DAY WORKER	2 1 1	2	M34	I	20.0204	5020	00000	70121099	407
302.685-010	LAUNDRY WORKER, DOMESTIC	2 1 1	2	L34	I		5030	00000	70120800	403
302.687-010	IRONER	1 1 1	2	L34	I		5030	00000	70120800	403
305.281-010	COOK	3 2 2	6	L4	I		5040	00000	70120400	404
309.137-010	BUTLER	4 2 3	6	L45	I	20.0605	5050	00000	70120600	405
309.354-010	HOMEMAKER	4 2 4	5	L45	I	20.0100 20.0204	5263	44080	70083000	467
309.674-010	BUTLER, SECOND	3 1 2	3	L45	I	20.0605	5050	00000	70120600	405
309.674-014	PERSONAL ATTENDANT	2 2 2	3	L45	I	20.0100 20.0302 20.0602	5090	00000	70121099	407

PROGRAM: 20.0607 THERAPEUTIC RECREATION AIDE.

--------------------------- AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ASSIST A THERAPEUTIC RECREATION TECHNICIAN IN PROVIDING RECREATIONAL ACTIVITIES TO PATIENTS. INSTRUCTION MAY BE GIVEN IN COLLECTING, SETTING UP, ORDERING, AND SORTING EQUIPMENT AND SUPPLIES; MAINTAINING RECORDS; ESCORTING PATIENTS BETWEEN NURSING UNITS AND THERAPY CENTERS; AND MAINTAINING CLEANLINESS AND ORDER IN TREATMENT AREAS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
187.137-010	RECREATION SUPERVISOR	5 3 4	8	L456	I	06.1401 06.0702 08.0903	1352	19000	20061699	019
195.164-010	GROUP WORKER	5 4 5	7	L45	B	17.0401	2032	25418	10243401	174
195.167-026	DIRECTOR, RECREATION CENTER	5 3 5	7	L5	B	06.0702	2033	19000	20061699	175
195.227-010	PROGRAM AIDE, GROUP WORK	5 3 4	6	L5	B	17.0401 17.0405	2032	25535	10243201	174
352.167-010	DIRECTOR, SOCIAL	4 3 4	6	L5	B		5269	25535	10243201	469
359.573-010	BLIND AIDE	3 2 2	3	L456	B	17.0405 20.0204	5263	49000	70200099	467

PROGRAM: 20.0699 INSTITUTIONAL, HOME MANAGEMENT, AND SUPPORTING SERVICES, OTHER.
-- ANY INSTRUCTIONAL PROGRAM IN INSTITUTIONAL, HOME MANAGEMENT, AND SUPPORTING PROGRAMS NOT DESCRIBED ABOVE.

PROGRAM: 20.9900 VOCATIONAL HOME ECONOMICS, OTHER.
---------------------------------- A GROUP OF INSTRUCTIONAL PROGRAMS IN VOCATIONAL HOME ECONOMICS NOT DESCRIBED ABOVE.

PROGRAM: 20.9999 VOCATIONAL HOME ECONOMICS, OTHER.
---------------------------------- ANY INSTRUCTIONAL PROGRAM IN VOCATIONAL HOME ECONOMICS NOT DESCRIBED ABOVE.

Marketing and
Distribution Education

PROGRAM AREA: MARKETING AND DISTRIBUTIVE EDUCATION.

MARKETING AND DISTRIBUTIVE EDUCATION IS A VOCATIONAL EDUCATION PROGRAM AREA CONCERNED WITH MARKETING, MERCHANDISING, AND MANAGEMENT. IT INCLUDES MULTIPLE INSTRUCTIONAL PROGRAMS TO MEET THE TRAINING NEEDS OF YOUTH AND ADULTS WHO HAVE EMPLOYMENT OR SELF-EMPLOYMENT OBJECTIVES IN MARKETING AND DISTRIBUTION.

THE INSTRUCTIONAL PROGRAMS FOR MARKETING AND DISTRIBUTIVE EDUCATION ARE DESCRIPTIVE OF PRODUCT OR SERVICE INDUSTRIES, MARKETING ENVIRONMENTS, OR MARKETING FUNCTIONS. THESE BROAD DESIGNATIONS PERMIT STUDENTS TO IDENTIFY WITH AND PREPARE FOR A SPECIFIC MARKETING OCCUPATION OR, MORE FREQUENTLY, A CLUSTER OF CLOSELY RELATED OCCUPATIONS WITHIN AN AREA OF MARKETING.

INSTRUCTIONAL CONTENT IS DERIVED FROM THE MARKETING FUNCTIONS AND TASKS PERFORMED IN OCCUPATIONS CONCERNED WITH THE FLOW OF INDUSTRIAL AND CONSUMER GOODS IN CHANNELS OF TRADE, OR THE PROVISION OF SERVICES, TO CONSUMERS OR USERS. THE MARKETING FUNCTIONS AND TASKS REPRESENT THE UNIQUE SUBJECT MATTER (DISCIPLINE) ASSOCIATED WITH MARKETING AND DISTRIBUTIVE EDUCATION. INSTRUCTIONAL PROGRAMS PREPARE INDIVIDUALS TO PERFORM ONE OR MORE OF THESE FUNCTIONS AND TASKS, SUCH AS SELLING, BUYING, PRICING, PROMOTING, FINANCING, TRANSPORTING, STORING, MARKETING RESEARCH, AND MARKETING MANAGEMENT. IN ADDITION, AND IN RECOGNITION OF OTHER REQUIRED COMPETENCIES FOR SUCCESSFUL EMPLOYMENT, INSTRUCTIONAL PROGRAMS INCLUDE VARYING EMPHASIS ON TECHNICAL KNOWLEDGE OF PRODUCTS OR SERVICES MARKETED, RELATED COMMUNICATION AND COMPUTATION SKILLS, AND ABILITIES AND ATTITUDES ASSOCIATED WITH HUMAN RELATIONS AND PRIVATE ENTERPRISE.

A VARIETY OF METHODS ARE USED TO MAKE INSTRUCTION VOCATIONALLY RELEVANT. CHIEF AMONG THEM IS CO-OPERATIVE PART-TIME EMPLOYMENT, COMMONLY REFERRED TO AS COOPERATIVE EDUCATION. ALTERNATING PERIODS OF EMPLOYMENT RELATED TO EACH INDIVIDUAL'S INSTRUCTIONAL PROGRAM ARE SCHEDULED AS PART OF THE TOTAL INSTRUCTIONAL PROGRAM.

PERSONAL AND OCCUPATIONAL COMPETENCIES ARE ENHANCED THROUGH THE DISTRIBUTIVE EDUCATION CLUBS OF AMERICA, THE VOCATIONAL STUDENT ORGANIZATION FOR MARKETING AND DISTRIBUTIVE EDUCATION STUDENTS. DECA CONTRIBUTES TO THE EMPLOYABILITY OF STUDENTS BY PROVIDING A PROGRAM OF ACTIVITIES HIGHLIGHTING CAREER DEVELOPMENT, ECONOMIC UNDERSTANDINGS, CITIZENSHIP, AND LEADERSHIP DEVELOPMENT. THESE ORGANIZED AND SUPERVISED ACTIVITIES ARE RECOGNIZED AS AN INTEGRAL AND IMPORTANT PART OF EACH INSTRUCTIONAL PROGRAM.

INSTRUCTIONAL PROGRAM OBJECTIVES ARE SPECIFIED IN RELATION TO IDENTIFIED PERFORMANCE STANDARDS WHICH ARE VARIED ACCORDING TO THE RANGE OF TALENTS, ABILITIES, CULTURAL BACKGROUNDS, AND EMPLOYMENT AND TRAINING EXPERIENCES OF THOSE ENROLLED. PROGRAMS VARY IN LENGTH AND DEPTH DEPENDING LARGELY ON THE LEVEL OF EMPLOYMENT FOR WHICH THE ENROLLEE WILL PREPARE AND THE NATURE OF THE COMPETENCIES TO BE ACQUIRED. INSTRUCTION IS AVAILABLE TO STUDENTS IN SECONDARY AND POSTSECONDARY INSTITUTIONS AS WELL AS TO ADULTS WHO WISH TO ENROLL IN ONE OR MORE COURSES IN ORDER TO PREPARE FOR EMPLOYMENT OR SELF EMPLOYMENT, TO UPGRADE JOB PERFORMANCE, OR TO PREPARE FOR ADVANCEMENT OPPORTUNITIES. PROGRAMS ARE OFFERED IN LIGHT OF THE LABOR MARKET NEEDS OF THE BUSINESS COMMUNITY.

PROGRAM: 06.0700 INSTITUTIONAL MANAGEMENT. A GROUP OF INSTRUCTIONAL PROGRAMS THAT DESCRIBE THE NATURE AND APPLICATION OF MANAGEMENT METHODS AND TECHNIQUES RELATED TO SPECIFIC KINDS OF INSTITUTIONS.

PROGRAM: 06.0701 HOTEL/MOTEL MANAGEMENT. AN INSTRUCTIONAL PROGRAM THAT DESCRIBES THE NATURE AND APPLICATION OF MANAGEMENT METHODS AND TECHNIQUES RELATED TO HOTELS AND MOTELS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
163.117-018	MANAGER, PROMOTION	5	3	4	8	L5	I	06.1401 08.0902	1250	19000	20061699	013
187.117-038	MANAGER, HOTEL OR MOTEL	5	5	5	8	S5	I	06.1401 06.0703 06.0704 08.0902	1351	19000	20061699	019
187.167-062	MANAGER, BRANCH OPERATION EVALUATION	4	3	4	6	L56	I	06.1401 08.0902	1473	19000	20061699	036
187.167-078	MANAGER, CONVENTION	5	4	4	7	L5	I	06.1401 08.0902	1351	19000	20061699	019
187.167-110	MANAGER, FRONT OFFICE	4	4	4	6	L5	I	06.1401 08.0902	1351	19000	20061699	019
187.167-122	MANAGER, HOTEL RECREATIONAL FACILITIES	4	4	4	7	L456	I	06.1401 06.0702 06.0703 08.0903	1351	19000	20061699	019
238.137-010	MANAGER, RESERVATIONS	4	2	3	5	L5	I	06.0703	4514	61396	40061200	303
259.157-014	SALES REPRESENTATIVE, HOTEL SERVICES	4	3	4	6	S5	I	08.0706 08.0203 08.0902	4152	71900	30001899	257
320.137-010	MANAGER, BOARDING HOUSE	3	3	3	6	L45	I	08.0902	1351	44014	70200001	019
320.137-014	MANAGER, LODGING FACILITIES	4	3	4	7	L45	B	06.1401 08.0902 08.0903 49.0305	1351	19000	20061699	019
329.137-010	SUPERINTENDENT, SERVICE	3	3	3	7	L5	I	08.0902 20.0605	5241	44014	70200001	448

PROGRAM: 06.0702 RECREATIONAL ENTERPRISES MANAGEMENT. AN INSTRUCTIONAL PROGRAM THAT DESCRIBES THE NATURE AND APPLICATION OF MANAGEMENT METHODS AND TECHNIQUES RELATED TO RECREATIONAL ENTERPRISES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
187.117-034	GENERAL MANAGER, ROAD PRODUCTION	4	3	5	8	L56	I		1352	19000	20061699	019
187.117-042	MANAGER, RECREATION ESTABLISHMENT	5	4	4	7	L5	I		1352	19000	20061699	019
187.117-054	SUPERINTENDENT, RECREATION	5	3	5	8	L56	I	06.1401 08.0903	1132	19000	20061699	005
187.137-010	RECREATION SUPERVISOR	5	3	4	8	L456	I	06.1401 08.0903 20.0607	1352	19000	20061699	019
187.161-014	MANAGER, HANDICRAFT-OR-HOBBY SHOP	4	4	4	7	L456	I5	06.1401 08.0705	2390	19000	20061699	159
187.167-054	MANAGER, AQUATIC FACILITY	4	4	4	7	S456	I		1352	19000	20061699	019
187.167-070	MANAGER, CASINO	4	4	4	7	L456	I		1352	19000	20061699	019
187.167-086	MANAGER, DANCE STUDIO	4	3	4	6	L5	I		1352	19000	20061699	019
187.167-094	MANAGER, DUDE RANCH	4	4	4	7	L456	B	06.1401 06.0703 08.0903 31.0201	1352	19000	20061699	019
187.167-102	MANAGER, FISH-AND-GAME CLUB	4	4	4	6	L5	B	06.1401 06.0703 08.0903 31.0201	1352	19000	20061699	019
187.167-114	MANAGER, GOLF CLUB	4	4	4	6	S5	I	06.1401 08.0903	1352	19000	20061699	019
187.167-118	MANAGER, GUN CLUB	4	3	4	6	L45	B	06.1401 08.0903	1352	19000	20061699	019
187.167-122	MANAGER, HOTEL RECREATIONAL FACILITIES	4	4	4	7	L456	I	06.1401 06.0701 06.0703 08.0903	1351	19000	20061699	019
187.167-146	MANAGER, SKATING RINK	4	4	4	6	L5	I	06.1401 08.0903	1352	19000	20061699	019
187.167-154	MANAGER, THEATER	4	4	4	7	L5	I	06.1401 08.0903	1352	19000	20061699	019
187.167-166	MANAGER, WINTER SPORTS	4	4	4	6	L5	B	06.1401 06.0703 08.0903	1352	19000	20061699	019
191.117-014	BOOKING MANAGER	4	4	4	6	S5	I	08.0903	1450	61321	40066833	034
191.117-022	CIRCUS AGENT	4	3	4	7	S5	I		1450	29000	10243899	034
191.117-038	MANAGER, TOURING PRODUCTION	4	3	4	7	S5	I		1450	29000	10243899	034
191.167-010	ADVANCE AGENT	4	4	4	7	L5	I	08.0903	1450	29000	10243899	034
195.167-018	DIRECTOR, CAMP	5	4	5	7	S5	B	06.0703	1352	25416	10243206	019
195.167-022	DIRECTOR, FIELD	5	4	5	7	S5	I		1352	19000	20061699	019
195.167-026	DIRECTOR, RECREATION CENTER	5	3	5	7	L5	B	20.0607	2033	19000	20061699	175
343.137-010	MANAGER, CARDROOM	4	4	4	7	L5	I		5251	44014	70200001	456
349.224-010	ANIMAL-RIDE MANAGER	4	3	3	6	M345	O	01.0505 31.0201	5254	19000	20061699	459
359.137-010	SUPERVISOR, HOSPITALITY HOUSE	4	3	4	6	L356	I	06.0703	5251	44014	70200001	456

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PROGRAM: 06.0703 RESORT MANAGEMENT.
AN INSTRUCTIONAL PROGRAM THAT DESCRIBES THE NATURE AND APPLICATION OF MANAGEMENT METHODS AND TECHNIQUES RELATED TO RESORTS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION		GED			S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
CODE	TITLE	R	M	L								
187.117-038	MANAGER, HOTEL OR MOTEL	5	5	5	8	S5	I	06.1401 06.0701 06.0704 08.0902	1351	19000	20061699	019
187.167-094	MANAGER, DUDE RANCH	4	4	4	7	L456	B	06.1401 06.0702 08.0903 31.0201	1352	19000	20061699	019
187.167-102	MANAGER, FISH-AND-GAME CLUB	4	4	4	6	L5	B	06.1401 06.0702 08.0903 31.0201	1352	19000	20061699	019
187.167-122	MANAGER, HOTEL RECREATIONAL FACILITIES	4	4	4	7	L456	I	06.1401 06.0701 06.0702 08.0903	1351	19000	20061699	019
187.167-166	MANAGER, WINTER SPORTS	4	4	4	6	L5	B	06.1401 06.0702 08.0903	1352	19000	20061699	019
187.167-178	PRODUCER	5	4	5	7	L5	I		3240	19000	20061699	187
195.167-018	DIRECTOR, CAMP	5	4	5	7	S5	B	06.0702	1352	25416	10243206	019
238.137-010	MANAGER, RESERVATIONS	4	2	3	5	L5	I	06.0701	4514	61396	40061200	303
359.137-010	SUPERVISOR, HOSPITALITY HOUSE	4	3	4	6	L356	I	06.0702	5251	44014	70200001	456

PROGRAM: 06.0704 RESTAURANT MANAGEMENT.
AN INSTRUCTIONAL PROGRAM THAT DESCRIBES THE NATURE AND APPLICATION OF MANAGEMENT METHODS AND TECHNIQUES RELATED TO RESTAURANTS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION		GED			S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
CODE	TITLE	R	M	L								
185.137-010	MANAGER, FAST FOOD SERVICES	4	4	4	7	L456	I	06.1401 08.0905	1351	10049	20061400	019
185.167-022	MANAGER, FOOD CONCESSION	3	3	3	6	L456	I	06.1401 08.0905	4030	10049	20061400	243
187.117-038	MANAGER, HOTEL OR MOTEL	5	5	5	8	S5	I	06.1401 06.0701 06.0703 08.0902	1351	19000	20061699	019
187.167-026	DIRECTOR, FOOD SERVICES	5	4	4	7	L56	I	20.0406 20.0408	1351	10049	20061400	019

*** PROGRAM: 06.0704 RESTAURANT MANAGEMENT. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
187.167-106	MANAGER, FOOD SERVICE	4	4	4	7	L456	I	06.1401	1351	10011 10049	20061400 20061400	019
								08.0905	1351	10011 10049	20061400 20061400	
								20.0405	1351	10011 10049	20061400 20061400	
								20.0406	1351	10011 10049	20061400 20061400	
187.167-126	MANAGER, LIQUOR ESTABLISHMENT	4	4	4	6	L5	I	06.1401	1351	10011 10049	20061400 20061400	019
								08.0905	1351	10011 10049	20061400 20061400	
211.137-014	SUPERVISOR, FOOD CHECKERS AND CASHIERS	4	4	3	7	L5	I		4529	61396	40061200	303
216.362-022	FOOD-AND-BEVERAGE CONTROLLER	4	3	2	5	S6	I	07.0103 08.0905	4718	61199	40041400	344

PROGRAM: 06.0705 TRANSPORTATION MANAGEMENT.

AN INSTRUCTIONAL PROGRAM THAT DESCRIBES THE NATURE AND APPLICATION OF MANAGEMENT METHODS AND TECHNIQUES RELATED TO TRANSPORTATION ENTERPRISES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
184.117-014	DIRECTOR, TRANSPORTATION	5	5	5	8	S5	I		1210	19000	20061699	019
184.117-018	DISTRICT SUPERVISOR	5	5	5	6	L56	I		1342	19000	20061699	019
184.117-026	MANAGER, AIRPORT	5	5	5	8	L5	I		1342	19000	20061699	019
184.117-034	MANAGER, AUTOMOTIVE SERVICES	5	4	4	8	S5	I		1342	19000	20061699	019
184.117-038	MANAGER, FLIGHT OPERATIONS	5	5	5	8	S45	I		1342	19000	20061699	019
184.117-042	MANAGER, HARBOR DEPARTMENT	6	4	4	9	S45	I		1342	19000	20061699	019
184.117-050	MANAGER, OPERATIONS	5	5	5	8	S5	I		1342	19000	20061699	019
184.117-054	MANAGER, REGIONAL	5	5	5	8	S5	I		1342	19000	20061699	019
184.117-058	MANAGER, SCHEDULE PLANNING	5	4	5	8	S45	I		1342	19000	20061699	019
184.117-066	MANAGER, TRAFFIC	5	5	5	8	S5	I		1342	19000	20061699	019
184.117-078	SUPERINTENDENT, COMMISSARY	5	4	4	8	S5	I		1240	19000	20061699	009
184.163-010	TRAFFIC INSPECTOR	4	2	3	7	L5	O		1473	29000	10243899	036
184.167-010	BOAT DISPATCHER	4	3	3	7	S5	I		1342	19000	20061699	019
184.167-042	GENERAL AGENT, OPERATIONS	4	3	4	8	S5	I		1342	19000	20061699	019
184.167-054	MANAGER, BUS TRANSPORTATION	4	4	4	8	S5	I		1342	19000	20061699	019
184.167-058	MANAGER, CARGO-AND-RAMP-SERVICES	5	4	4	8	S45	I		1342	19000	20061699	019
184.167-066	MANAGER, FLIGHT CONTROL	5	4	4	8	S5	I		1342	19000	20061699	019
184.167-070	MANAGER, FLIGHT-RESERVATIONS	5	4	4	8	S45	I	06.1401 08.1103	1342	19000	20061699	019
184.167-082	MANAGER, STATION	5	4	4	8	S5	I		1342	19000	20061699	019
184.167-094	MANAGER, TRAFFIC	5	4	4	8	S5	I		1342	19000	20061699	019
184.167-102	MANAGER, TRAFFIC 1	5	4	5	8	S5	I		1342	19000	20061699	019
184.167-110	MANAGER, TRUCK TERMINAL	4	3	3	8	S45	I	06.1401 08.1102	1342	19000	20061699	019

***** PROGRAM: 06.0705 TRANSPORTATION MANAGEMENT.** CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
184.167-118	OPERATIONS MANAGER	4	3	3	6	L56	I	06.1401 08.1106	1342	19000	20061699	019
184.167-122	PORT-TRAFFIC MANAGER	5	5	5	8	S45	I	06.1401 08.1102	1342	19000	20061699	019
184.167-158	SUPERINTENDENT, DIVISION	5	3	5	8	L5	I		1342	19000	20061699	019
184.167-186	SUPERINTENDENT, MARINE OIL TERMINAL	4	3	4	8	S45	I		1342	19000	20061699	019
184.167-206	SUPERINTENDENT, STATIONS	5	5	4	6	S5	I		1342	19000	20061699	019
184.167-214	SUPERINTENDENT, TERMINAL	5	4	4	8	S5	I		1342	19000	20061699	019
184.167-226	SUPERINTENDENT, TRANSPORTATION	5	4	5	8	L5	I		1342	19000	20061699	019
184.167-242	SUPERVISOR, TERMINAL OPERATIONS	5	4	4	8	S5	I		1342	19000	20061699	019
184.167-254	TERMINAL SUPERINTENDENT	4	3	4	8	S5	I		1342	19000	20061699	019
215.367-018	TAXICAB COORDINATOR	3	2	2	5	S46	I	07.0503	4752	61900	40066898	363
237.137-014	SUPERVISOR, TRAVEL-INFORMATION CENTER	4	3	4	6	L456	I7	07.0401 07.0707 08.1104 08.1105	4514	61396	40061200	303
237.367-030	MANAGER, TRAFFIC 2	3	2	2	6	S5	I		4664	62900	40066899	327
248.137-014	PURCHASING-AND-CLAIMS SUPERVISOR	4	3	4	6	S5	I	07.0401 07.0709	4529	61396	40061200	303
352.137-010	SUPERVISOR, AIRPLANE-FLIGHT ATTENDANT	4	3	4	7	L256	I5	08.1103 49.0106	5251	44014	70200001	456
909.137-018	TRUCK SUPERVISOR	4	3	4	8	L45	O	49.0205	7100	55B29	50040003	633
910.137-026	FREIGHT-LOADING SUPERVISOR	4	3	3	6	L56	O	49.0203	8500	55B29	50040003	863
910.137-046	YARD MANAGER	4	3	3	6	L5	B		7100	55B29	50040003	633
911.137-022	SUPERINTENDENT, STEVEDORING	4	3	3	7	L56	B	49.0203	7100	55B29	50040003	633
913.133-010	ROAD SUPERVISOR	4	3	4	6	L45	I5	08.1103	7100	55B29	50040003	633
913.133-014	SUPERVISOR, CAB	4	3	4	7	L45	I	08.1103	7100	55B29	50040003	633

PROGRAM: 06.0799 INSTITUTIONAL MANAGEMENT, OTHER.

ANY INSTRUCTIONAL PROGRAM IN INSTITUTIONAL MANAGEMENT NOT DESCRIBED ABOVE.

PROGRAM: 06.1400 MARKETING MANAGEMENT AND RESEARCH.

A GROUP OF INSTRUCTIONAL PROGRAMS THAT DESCRIBE THE PRINCIPLES, PRACTICES, AND CONCEPTS INVOLVED IN THE PERFORMANCE OF BUSINESS ACTIVITIES WHICH DIRECT THE TRANSFER OF GOODS AND THE ACQUISITION OF SERVICES FROM PRODUCER TO CONSUMER. INCLUDES INSTRUCTION IN MARKETING FUNCTIONS AND INSTITUTIONS; ACTIVITIES HAVING TO DO WITH EFFECTING CHANGE IN OWNERSHIP AND POSSESSION OF GOODS AND SERVICES; AND THE STUDY OF APPLIED ECONOMICS RELATING TO THE CREATION OF TIME, PLACE AND POSSESSION UTILITY.

PROGRAM: 06.1401 MARKETING MANAGEMENT.

AN INSTRUCTIONAL PROGRAM THAT DESCRIBES APPLYING MARKETING SKILLS IN A MANAGEMENT POSITION IN ANY INDUSTRY, GENERALLY AT A MID-MANAGEMENT LEVEL OR IN A MANAGEMENT-TRAINING PROGRAM, OR TO ADVANCE TO MORE SPECIALIZED MARKETING TRAINING.

MANAGERIAL OCCUPATIONS IDENTIFED IN OTHER MARKETING AND DISTRIBUTION PROGRAMS ARE APPROPRIATE FOR THIS INSTRUCTIONAL PROGRAM.

161.117-014	DIRECTOR, RECORDS MANAGEMENT	5	4	5	8	S56	I	06.0404	1420	19000	20061699	026
161.167-018	MANAGER, RECORDS ANALYSIS	5	4	4	8	S56	I	06.0404	1420	19000	20061699	026
161.167-022	MANAGER, REPORTS ANALYSIS	5	4	4	8	S56	I	06.0404	1420	19000	20061699	026
161.267-014	CREDIT OFFICER, DEALER ACCOUNTS	5	5	4	7	L5	I	08.0403	1419	19000	20061699	025
162.167-022	MANAGER, PROCUREMENT SERVICES	4	4	4	7	S5	I	06.0404 08.0704	1240	19000	20061699	009
163.117-010	MANAGER, CONTRACTS	5	5	5	7	S5	I	08.0702 08.1204	1449	19000	20061699	033
163.117-014	MANAGER, EXPORT	5	5	5	8	S5	I	08.0703	1250	19000	20061699	013
163.117-018	MANAGER, PROMOTION	5	3	4	8	L5	I	06.0701 08.0902	1250	19000	20061699	013
163.167-010	MANAGER, ADVERTISING	5	3	5	8	S5	I	09.0201	1250	19000	20061699	013
163.167-018	MANAGER, SALES	5	3	5	8	S5	I	08.0707	1250	19000	20061699	013
163.167-022	MANAGER, UTILITY SALES AND SERVICE	5	4	4	8	S5	I	08.0203	1250	19000	20061699	013
163.267-010	FIELD REPRESENTATIVE	5	4	3	6	L5	I	08.0203 08.1203	1250	19000	20061699	013
164.117-010	MANAGER, ADVERTISING	6	5	5	8	S5	I	09.0201	1250	19000	20061699	013
164.117-014	MANAGER, ADVERTISING AGENCY	5	3	4	8	S5	I	09.0201	1250	19000	20061699	013
168.167-054	MANAGER, CREDIT AND COLLECTION	5	5	5	8	S5	I	07.0401 08.0402 08.0403 08.0404	1419	19000	20061699	025
168.267-018	CUSTOMS IMPORT SPECIALIST	5	3	5	8	L46	I	08.0703	1473	10001	20040800	036
180.167-042	MANAGER, NURSERY	4	4	4	7	L456	B	01.0104 01.0604 01.0606 02.0403 02.0404 08.0502	5525	19000	20061699	476
184.117-022	IMPORT-EXPORT AGENT	5	4	5	7	S5	I	08.0703	1342	19000	20061699	019
184.167-070	MANAGER, FLIGHT-RESERVATIONS	5	4	4	8	S45	I	06.0705 08.1103	1342	19000	20061699	019
184.167-090	MANAGER, TRAFFIC	5	3	5	7	S5	I	09.0201	1341	19000	20061699	019
184.167-110	MANAGER, TRUCK TERMINAL	4	3	3	8	S45	I	06.0705 08.1102	1342	19000	20061699	019
184.167-114	MANAGER, WAREHOUSE	5	5	4	8	S5	I	08.1106	1342	19000	20061699	019
184.167-118	OPERATIONS MANAGER	4	3	3	6	L56	I	06.0705 08.1106	1342	19000	20061699	019
184.167-122	PORT-TRAFFIC MANAGER	5	5	5	8	S45	I	06.0705 08.1102	1342	19000	20061699	019
184.167-142	SUPERINTENDENT, COLD STORAGE	4	3	3	8	L56	I	08.1106	7100	19000	20061699	633
184.167-274	WHARFINGER, CHIEF	4	4	4	8	S5	I	08.1102	1342	19000	20061699	019
184.387-010	WHARFINGER	3	3	2	5	L4	B	08.1102	4716	19000	20061699	343
185.117-010	MANAGER, DEPARTMENT STORE	5	4	5	8	S45	I	08.0705	1210	10035	20061612	019
185.137-010	MANAGER, FAST FOOD SERVICES	4	4	4	7	L456	I	06.0704 08.0905	1351	10049	20061400	019
185.157-010	FASHION COORDINATOR	5	4	5	7	L456	I	08.0102 20.0306 20.0308	1250	10033	20061611	013

*** PROGRAM: 06.1401 MARKETING MANAGEMENT. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
185.157-014	SUPERVISOR OF SALES	4	4	4	7	L45	I	08.0203	1250	19000	20061699	013
185.157-018	WHOLESALER 2	5	4	5	7	S5	I	08.0703 08.0707	4020	10048	20061615	243
185.167-010	COMMISSARY MANAGER	4	4	3	6	L35	I	08.0604	4020	19000	20061699	243
185.167-014	MANAGER, AUTOMOBILE SERVICE STATION	4	4	4	7	L45	B	08.1206	4030	10035	20061612	243
185.167-018	MANAGER, DISTRIBUTION WAREHOUSE	5	3	4	6	S45	I	08.0707 08.1106	4020	19000	20061699	243
185.167-022	MANAGER, FOOD CONCESSION	3	3	3	6	L456	I	06.0704 08.0905	4030	10049	20061400	243
185.167-026	MANAGER, MACHINERY-OR-EQUIPMENT, RENTAL	4	4	4	6	L5	I	01.0204 01.0503 08.0203	4010	10035	20061612	243
185.167-030	MANAGER, MEAT SALES AND STORAGE	4	3	3	6	M456	I2	08.0603 08.0605 08.0707	4020	19000	20061699	243
185.167-034	MANAGER, MERCHANDISE	4	3	4	7	S45	I	08.0705 08.0707	1240	10032	20020800	009
185.167-038	MANAGER, PARTS	4	3	3	7	L56	I	08.0705 08.0707 08.1203	4030	10047	20061614	243
185.167-042	MANAGER, PROFESSIONAL EQUIPMENT SALES-AN	5	4	4	7	S45	I	08.0203	1390	19000	20061699	019
185.167-046	MANAGER, RETAIL STORE	4	4	3	7	L45	I	08.0602 08.0603 08.0604 08.0705 08.0904	4030	10035	20061612	243
185.167-050	MANAGER, TEXTILE CONVERSION	4	4	4	6	L456	I	08.0203 08.0707	4020	19000	20061699	243
185.167-054	MANAGER, TOBACCO WAREHOUSE	4	3	3	8	L45	I	08.0707 08.1106	4020	19000	20061699	243
185.167-058	SERVICE MANAGER	4	3	4	6	L45	I	08.1203	6000	10046	20061613	503
185.167-062	SUPERVISOR, LIQUOR STORES AND AGENCIES	5	4	4	8	S56	I	08.0705	1139	19000	20061699	005
185.167-070	WHOLESALER 1	5	5	4	8	S45	B	08.0605 08.0707	4020	10048	20061615	243
186.117-014	CONTROLLER	5	5	4	8	S5	I	06.0404	1220	19000	20061699	007
186.117-018	CUSTOMS-HOUSE BROKER	5	4	5	8	S45	I	08.0703	1390	19000	20061699	019
186.117-034	MANAGER, BROKERAGE OFFICE	5	5	5	8	S5	I	07.0401 08.0406	1210	19000	20061699	019
186.117-038	MANAGER, FINANCIAL INSTITUTION	5	4	4	8	S5	I	07.0401 08.0402 08.0403 08.0404 08.0405	1220	19000	20061699	007
186.117-046	MANAGER, LEASING	5	5	5	8	S5	I	06.1702	1353	19000	20061699	016
186.117-050	NEGOTIATOR, LETTER OF CREDIT	5	4	4	7	S5	I	08.0402	1419	19000	20061699	025
186.117-062	RENTAL MANAGER, PUBLIC EVENTS FACILITIES	5	4	4	8	L5	I	06.1703 08.0203	1353	19000	20061699	016
186.117-074	TRUST OFFICER	5	5	5	8	S5	I	08.0402	1419	19000	20061699	025
186.137-010	SUPERVISOR, SAFETY DEPOSIT	3	3	3	6	L45	I	07.0401 08.0402	4519	19000	20061699	303

*** PROGRAM: 06.1401 MARKETING MANAGEMENT. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
186.167-010	ESTATE PLANNER	5	4	5	7	S5	I	08.1003	1419	19000	20061699	025
186.167-018	MANAGER, APARTMENT HOUSE	3	3	3	6	L56	I	06.1703	1353	19000	20061699	016
186.167-022	MANAGER, CREDIT CARD OPERATIONS	5	5	5	8	S5	I	08.0403	1220	19000	20061699	007
186.167-026	MANAGER, CREDIT UNION	5	5	5	7	S5	I	08.0404	1220	19000	20061699	007
186.167-030	MANAGER, HOUSING PROJECT	5	4	4	7	S5	I	06.1703	1353	19000	20061699	016
186.167-034	MANAGER, INSURANCE OFFICE	5	4	4	8	S5	I	07.0401 08.1002 08.1003 08.1004	4010	19000	20061699	243
186.167-038	MANAGER, LAND LEASES-AND-RENTALS	4	4	4	7	L5	I	06.1702	1353	19000	20061699	016
186.167-042	MANAGER, MARKET	4	3	3	7	S5	I	08.0605 08.0707	1353	19000	20061699	016
186.167-046	MANAGER, PROPERTY	5	4	4	8	L5	B	06.1703	1353	19000	20061699	016
186.167-054	RESERVE OFFICER	5	5	4	9	S56	I	08.0406	1220	19000	20061699	007
186.167-058	SECURITIES TRADER 2	6	5	5	8	S5	I	08.0406	1419	19000	20061699	025
186.267-010	BONDING AGENT	4	3	4	6	S5	I	08.0203	1419	19000	20061699	025
186.267-018	LOAN OFFICER	5	4	4	7	S6	I	08.0402 08.0403 08.0404 08.0405	1415	19000	20061699	025
187.117-038	MANAGER, HOTEL OR MOTEL	5	5	5	8	S5	I	06.0701 06.0703 06.0704 08.0902	1351	19000	20061699	019
187.117-054	SUPERINTENDENT, RECREATION	5	3	5	8	L56	I	06.0702 08.0903	1132	19000	20061699	005
187.137-010	RECREATION SUPERVISOR	5	3	4	8	L456	I	06.0702 08.0903 20.0607	1352	19000	20061699	019
187.161-014	MANAGER, HANDICRAFT-OR-HOBBY SHOP	4	4	4	7	L456	I5	06.0702 08.0705	2390	19000	20061699	159
187.167-030	DIRECTOR, FUNERAL	4	4	4	7	L456	B	08.0203 12.0301	1359	19000	20061699	018
187.167-058	MANAGER, BARBER OR BEAUTY SHOP	4	4	4	7	L456	I	08.0203 12.0402 12.0403	5251	19000	20061699	456
187.167-062	MANAGER, BRANCH OPERATION EVALUATION	4	3	4	6	L56	I	06.0701 08.0902	1473	19000	20061699	036
187.167-074	MANAGER, CEMETERY	4	4	4	7	L56	B	08.0203	1359	19000	20061699	019
187.167-078	MANAGER, CONVENTION	5	4	4	7	L5	I	06.0701 08.0902	1351	19000	20061699	019
187.167-094	MANAGER, DUDE RANCH	4	4	4	7	L456	B	06.0702 06.0703 08.0903 31.0201	1352	19000	20061699	019
187.167-098	MANAGER, EMPLOYMENT AGENCY	4	3	4	7	S5	I	08.0203	4010	19000	20061699	243
187.167-102	MANAGER, FISH-AND-GAME CLUB	4	4	4	6	L5	B	06.0702 06.0703 08.0903 31.0201	1352	19000	20061699	019

*** PROGRAM: 06.1401 MARKETING MANAGEMENT. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
187.167-106	MANAGER, FOOD SERVICE	4	4	4	7	L456	I	06.0704	1351	10011	20061400	019
										10049	20061400	
								08.0905	1351	10011	20061400	
										10049	20061400	
								20.0405	1351	10011	20061400	
										10049	20061400	
								20.0406	1351	10011	20061400	
										10049	20061400	
187.167-110	MANAGER, FRONT OFFICE	4	4	4	6	L5	I	06.0701	1351	19000	20061699	019
								08.0902				
187.167-114	MANAGER, GOLF CLUB	4	4	4	6	S5	I	06.0702	1352	19000	20061699	019
								08.0903				
187.167-118	MANAGER, GUN CLUB	4	3	4	6	L45	B	06.0702	1352	19000	20061699	019
								08.0903				
187.167-122	MANAGER, HOTEL RECREATIONAL FACILITIES	4	4	4	7	L456	I	06.0701	1351	19000	20061699	019
								06.0702				
								06.0703				
								08.0903				
187.167-126	MANAGER, LIQUOR ESTABLISHMENT	4	4	4	6	L5	I	06.0704	1351	10011	20061400	019
										10049	20061400	
								08.0905	1351	10011	20061400	
										10049	20061400	
187.167-138	MANAGER, SALES	4	4	4	7	L5	I	08.0203	4010	19000	20061699	243
187.167-142	MANAGER, SERVICE DEPARTMENT	4	4	4	7	L56	I	01.0204	6000	19000	20061699	503
								08.1202				
187.167-146	MANAGER, SKATING RINK	4	4	4	6	L5	I	06.0702	1352	19000	20061699	019
								08.0903				
187.167-150	MANAGER, STORAGE GARAGE	3	3	3	6	L5	I	08.0203	8111	19000	20061699	803
								08.1203				
187.167-154	MANAGER, THEATER	4	4	4	7	L5	I	06.0702	1352	19000	20061699	019
								08.0903				
187.167-158	MANAGER, TRAVEL AGENCY	4	4	4	7	L45	I	08.0203	1359	19000	20061699	019
								08.1105				
187.167-162	MANAGER, VEHICLE LEASING AND RENTAL	5	4	4	8	L5	I	08.1207	1250	19000	20061699	013
187.167-166	MANAGER, WINTER SPORTS	4	4	4	6	L5	B	06.0702	1352	19000	20061699	019
								06.0703				
								08.0903				
187.167-170	MANAGER, WORLD TRADE AND MARITIME DIVISI	5	4	5	7	S5	I	08.0703	1354	19000	20061699	019
187.167-190	SUPERINTENDENT, BUILDING	4	4	4	7	L5	I	06.1703	1353	19000	20061699	016
189.117-014	DIRECTOR, RESEARCH AND DEVELOPMENT	3	5	5	8	S5	I	06.1402	1260	19000	20061699	019
189.117-018	MANAGER, CUSTOMER TECHNICAL SERVICES	5	4	4	8	S5	I	06.1402	1250	19000	20061699	013
								08.0702				
189.167-014	DIRECTOR, SERVICE	5	4	4	7	S5	I	07.0401	1390	19000	20061699	019
								08.0705				
189.167-018	MANAGEMENT TRAINEE	4	4	4	6	L56	I	07.0401	1390	19000	20061699	019
								08.0705				
189.167-022	MANAGER, DEPARTMENT	4	4	4	7	S5	I	07.0401	1370	19000	20061699	019
								08.0705				
191.117-042	PERMIT AGENT, GEOPHYSICAL PROSPECTING	5	4	5	6	L5	B	06.1702	1353	19000	20061699	016
191.117-050	RIGHT-OF-WAY SUPERVISOR	5	4	5	8	L45	I	06.1702	1353	19000	20061699	016

*** PROGRAM: 06.1401 MARKETING MANAGEMENT. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
191.167-018	LOCATION MANAGER	4 3 4	6	L5	B	06.1702	1390	19000	20061699	019
299.137-010	MANAGER, DEPARTMENT	4 3 4	6	L5	I	08.0705	4030	19000	20061699	243
299.137-014	SALES SUPERVISOR, MALT LIQUORS	4 3 4	5	L5	I	08.0605 08.0702	4020	19000	20061699	243
320.137-014	MANAGER, LODGING FACILITIES	4 3 4	7	L45	B	06.0701 08.0902 08.0903 49.0305	1351	19000	20061699	019
369.167-010	MANAGER, LAUNDROMAT	4 3 3	6	S45	I	08.0203 12.0102 12.0103	7100	19000	20061699	633
372.167-022	MANAGER, ARMORED TRANSPORT SERVICE	4 3 4	6	L45	I	08.0203 43.0109	1342	19000	20061699	019

PROGRAM: 06.1402 MARKETING RESEARCH.

AN INSTRUCTIONAL PROGRAM THAT DESCRIBES UNDERTAKING RESEARCH ACTIVITIES SUCH AS ANALYSIS OF DATA ON PRODUCTS AND SALES, THE CONDUCTING OF SURVEYS AND INTERVIEWS, TEST MARKETING OF NEW PRODUCTS, AND PREPARATION OF RECOMMENDATIONS TO CLIENTS OR INTERNAL MANAGEMENT.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
050.067-014	MARKET-RESEARCH ANALYST 1	5 5 5	7	S456	I		1912	23003	10181200	166
189.117-014	DIRECTOR, RESEARCH AND DEVELOPMENT	5 5 5	8	S5	I	06.1401	1260	19000	20061699	019
189.117-018	MANAGER, CUSTOMER TECHNICAL SERVICES	5 4 4	8	S5	I	06.1401 08.0702	1250	19000	20061699	013
205.367-054	SURVEY WORKER	3 1 2	3	L456	B		4642	61375	40062000	316

PROGRAM: 06.1499 MARKETING MANAGEMENT AND RESEARCH, OTHER.

ANY INSTRUCTIONAL PROGRAM IN MARKETING MANAGEMENT AND RESEARCH NOT DESCRIBED ABOVE.

PROGRAM: 06.1700 REAL ESTATE.

A GROUP OF INSTRUCTIONAL PROGRAMS THAT DESCRIBE THE THEORIES AND TECHNIQUES OF BUYING, SELLING, APPRAISING, RENTING, MANAGING, AND LEASING OF REAL PROPERTY.

PROGRAM: 06.1701 REAL ESTATE, GENERAL.

AN INSTRUCTIONAL PROGRAM THAT GENERALLY DESCRIBES THE THEORIES AND TECHNIQUES OF BUYING, SELLING, APPRAISING, RENTING, MANAGING AND LEASING OF REAL PROPERTY.

PROGRAM: 06.1702 COMMERCIAL PROPERTY.
-------------------- AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO FACILITATE AND TRANSACT TRANSFERS OF OWNERSHIP OR THE LEASING OF LAND, NONRESIDENTAL BUILDINGS, AND OTHER COMMERCIAL PROPERTIES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
186.117-046	MANAGER, LEASING	5	5	5	8	S5	I	06.1401	1353	19000	20061699	016
186.117-058	REAL-ESTATE AGENT	5	5	5	8	L5	B	08.0706 06.1707	1353	71008	30001403	016
136.167-038	MANAGER, LAND LEASES-AND-RENTALS	4	4	4	7	L5	I	06.1401	1353	19000	20061699	016
189.157-010	BUSINESS-OPPORTUNITY-AND-PROPERTY-INVEST	5	4	4	7	L5	B	08.0706	1353	71002	30001401	016
191.117-030	LEASE BUYER	5	4	5	7	L5	I		1353	25447	10240802	016
191.117-042	PERMIT AGENT, GEOPHYSICAL PROSPECTING	5	4	5	6	L5	B	06.1401	1353	19000	20061699	016
191.117-046	RIGHT-OF-WAY AGENT	5	4	5	7	L45	B		1353	25477	10240805	016
191.117-050	RIGHT-OF-WAY SUPERVISOR	5	4	5	8	L45	I	06.1401	1353	19000	20061699	016
191.167-014	CLAIM AGENT	6	3	6	7	S5	I		1490	25526	10243812	037
191.167-018	LOCATION MANAGER	4	3	4	6	L5	B	06.1401	1390	19000	20061699	019
250.357-018	SALES AGENT, REAL ESTATE	4	3	4	5	L56	I	08.0706	4123	71006 71008	30001402 30001403	254
								06.1707	4123	71006 71008	30001402 30001403	
297.667-010	GUIDE, REAL ESTATE	3	2	3	2	L5	I	08.0706 06.1707	4450	79000	30001899	283

PROGRAM: 06.1703 PROPERTY MANAGEMENT.
-------------------- AN INSTRUCTIONAL PROGRAM THAT DESCRIBES THE PRINCIPLES AND METHODS OF MANAGING OFFICE BUILDINGS, APARTMENT HOUSES, SHOPPING CENTERS, SMALL PROPERTIES, AND OTHER INVESTMENT PROPERTY.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
186.117-062	RENTAL MANAGER, PUBLIC EVENTS FACILITIES	5	4	4	8	L5	I	06.1401 08.0203	1353	19000	20061699	016
186.167-018	MANAGER, APARTMENT HOUSE	3	3	3	6	L56	I	06.1401	1353	19000	20061699	016
186.167-030	MANAGER, HOUSING PROJECT	5	4	4	7	S5	I	06.1401	1353	19000	20061699	016
186.167-046	MANAGER, PROPERTY	5	4	4	8	L5	B	06.1401	1353	19000	20061699	016
187.167-190	SUPERINTENDENT, BUILDING	4	4	4	7	L5	I	06.1401	1353	19000	20061699	016

PROGRAM: 06.1707 RESIDENTIAL PROPERTY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO FACILITATE AND TRANSACT TRANSFERS OF OWNERSHIP OF HOUSING UNITS FOR RESIDENTIAL OCCUPANCY, INCLUDING RECREATIONAL PROPERTIES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
186.117-058	REAL-ESTATE AGENT	5	5	5	8	L5	B	08.0706	1353	71008	30001403	016
								06.1702				
250.157-010	SUPERINTENDENT, SALES	5	4	5	7	L56	B	08.0706	4123	71008	30001403	254
250.357-010	BUILDING CONSULTANT	4	3	4	5	L56	I	08.0706	4123	71998	30001808	254
250.357-014	LEASING AGENT, RESIDENCE	4	2	4	5	L56	I	08.0706	4123	71008	30001403	254
250.357-018	SALES AGENT, REAL ESTATE	4	3	4	5	L56	I	08.0706	4123	71006	30001402	254
										71008	30001403	
								06.1702	4123	71006	30001402	
										71008	30001403	
297.667-010	GUIDE, REAL ESTATE	3	2	3	2	L5	I	08.0706	4450	79000	30001899	283
								06.1702				

PROGRAM: 06.1799 REAL ESTATE, OTHER.

ANY INSTRUCTIONAL PROGRAM IN REAL ESTATE NOT DESCRIBED ABOVE.

PROGRAM: 06.1800 SMALL BUSINESS MANAGEMENT AND OWNERSHIP.

A GROUP OF INSTRUCTIONAL PROGRAMS THAT DESCRIBE THE MANAGERIAL FUNCTIONS AND OWNERSHIP PRINCIPLES INVOLVED IN OPERATING A SMALL BUSINESS.

PROGRAM: 06.1801 SMALL BUSINESS MANAGEMENT.

AN INSTRUCTIONAL PROGRAM THAT DESCRIBES THE MANAGEMENT FUNCTIONS, POLICIES, AND PROCEDURES THAT ARE CHARACTERISTIC OF SMALL BUSINESS CONCERNS.

FOR OCCUPATIONS IN THIS AREA, SEE 08.0300, ENTREPRENEURSHIP, ON PAGE 170.

PROGRAM: 06.1802 SMALL BUSINESS OWNERSHIP.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO UNDERTAKE THE FORMATION AND OPERATION OF SMALL-BUSINESS ENTERPRISES (INCLUDING FRANCHISE OPERATIONS) FOR THE PURPOSE OF MARKETING A PRODUCT LINE OR SERVICE, WITH EMPHASIS GIVEN TO THE SOCIAL RESPONSIBILITIES, LEGAL REQUIREMENTS, AND RISKS INVOLVED IN THE CONDUCT OF A PRIVATE ENTERPRISE.

FOR OCCUPATIONS IN THIS AREA, SEE 08.0300, ENTREPRENEURSHIP, ON PAGE 170.

PROGRAM: 06.1899 SMALL BUSINESS MANAGEMENT AND OWNERSHIP, OTHER.

ANY INSTRUCTIONAL PROGRAM IN SMALL BUSINESS MANAGEMENT AND OWNERSHIP NOT DESCRIBED ABOVE.

PROGRAM: 08.0000 MARKETING AND DISTRIBUTION.

A SUMMARY OF GROUPS OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS FOR OCCUPATIONS DIRECTED TOWARD AND INCIDENT TO THE FLOW INDUSTRIAL AND CONSUMER GOODS IN CHANNELS OF TRADE, OR THE PROVISION OF SERVICES TO CONSUMERS OR USERS. THESE PROGRAMS ARE CONCERNED WITH MARKETING, SALES, DISTRIBUTION, MERCHANDISING, AND MANAGEMENT, INCLUDING OWNERSHIP AND MANAGEMENT OF ENTERPRISES ENGAGED IN MARKETING. INSTRUCTIONAL PROGRAMS PREPARE INDIVIDUALS TO PERFORM ONE OR MORE OF THE MARKETING FUNCTIONS, SUCH AS SELLING, BUYING, PRICING, PROMOTING, FINANCING, TRANSPORTING, STORING, MARKET RESEARCH, AND MARKETING MANAGEMENT. IN ADDITION, INSTRUCTIONAL PROGRAMS INCLUDE VARYING EMPHASES ON TECHNICAL KNOWLEDGE OF PRODUCTS OR SERVICES MARKETED, RELATED COMMUNICATION AND COMPUTATION SKILLS, AND ABILITIES AND ATTITUDES ASSOCIATED WITH HUMAN RELATIONS AND PRIVATE ENTERPRISE.

PROGRAM: 08.0100 APPAREL AND ACCESSORIES MARKETING.

A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS TO PERFORM MARKETING FUNCTIONS AND TASKS IN RETAIL ESTABLISHMENTS, WHOLESALE ESTABLISHMENTS, AND MANUFACTURING FIRMS PRIMARILY ENGAGED IN THE MARKETING OF CLOTHING AND RELATED ARTICLES FOR PERSONAL WEAR AND ADORNMENT.

PROGRAM: 08.0101 APPAREL AND ACCESSORIES MARKETING, GENERAL.

AN INSTRUCTIONAL PROGRAM THAT GENERALLY PREPARES INDIVIDUALS TO PERFORM MARKETING FUNCTIONS AND TASKS IN RETAIL ESTABLISHMENTS, WHOLESALE ESTABLISHMENTS, AND MANUFACTURING FIRMS PRIMARILY ENGAGED IN THE MARKETING OF CLOTHING AND RELATED ARTICLES FOR PERSONAL WEAR AND ADORNMENT.

PROGRAM: 08.0102 FASHION MERCHANDISING.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ENGAGE IN THE MARKETING OF APPAREL AND ACCESSORIES, WITH PARTICULAR EMPHASIS GIVEN TO FASHION SELLING AND BUYING, FASHION CYCLES, FASHION COORDINATION, AND SPECIALIZED CONSULTING SERVICES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
096.121-014	HOME ECONOMIST	5 3 5	7	L456	I		2390	25532	10243899	159
162.157-038	PURCHASING AGENT	4 3 4	7	S5	I	01.0503 08.0704 20.0405 20.0406	1449	25414	10240803	033
185.157-010	FASHION COORDINATOR	5 4 5	7	L456	I	06.1401 20.0306 20.0308	1250	10033	20061611	013
211.462-018	CASHIER-WRAPPER	3 2 2	3	L46	I	08.0104 08.0705	4364	61314	40060800	276
261.351-010	SALESPERSON, WIGS	3 3 3	4	L456	I	08.0706	4354	71900 71999	30001899 30001807	274
						08.0705	4354	71900 71999	30001899 30001807	
						12.0403	4354	71900 71999	30001899 30001807	

*** PROGRAM: 08.0102 FASHION MERCHANDISING. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION		GED			S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
CODE	TITLE	R	M	L								
261.354-010	SALESPERSON, CORSETS	4	3	4	5	L45	I	08.0706 08.0705 20.0306	4346	72002	30001802	264
261.357-010	SALES REPRESENTATIVE, APPAREL TRIMMINGS	4	3	4	5	L5	I	08.0706 08.0702 08.0707 20.0306	4243	71999	30001807	259
261.357-022	SALES REPRESENTATIVE, MEN'S AND BOYS' AP	4	3	4	6	L5	I	08.0706 08.0702 20.0306	4243	71999	30001807	259
261.357-034	SALES REPRESENTATIVE, UNIFORMS	4	3	4	6	L5	I	08.0706 08.0702 20.0306	4243	71999	30001807	259
261.357-038	SALES REPRESENTATIVE, WOMEN'S AND GIRLS'	4	3	4	5	L5	I	08.0706 08.0702 20.0306	4243	71999	30001807	259
261.357-042	SALESPERSON, FURS	4	3	4	5	L456	I	08.0706 08.0705 20.0306	4346	71999	30001807	264
261.357-046	SALESPERSON, INFANTS' AND CHILDREN'S WEA	4	3	4	3	L45	I	08.0706 08.0705 20.0306	4346	72002	30001802	264
261.357-050	SALESPERSON, MEN'S AND BOYS' CLOTHING	4	3	4	5	L456	I	08.0706 08.0705 20.0306	4346	71999	30001807	264
261.357-054	SALESPERSON, MEN'S FURNISHINGS	4	3	4	4	L456	I	08.0706 08.0705 20.0306	4346	71999	30001807	264
261.357-058	SALESPERSON, MILLINERY	4	3	4	3	L456	I	08.0706 08.0705 20.0306	4346	72002	30001802	264
261.357-066	SALESPERSON, WOMEN'S APPAREL AND ACCESSO	4	3	4	3	L456	I	08.0706 08.0705 20.0306	4346	72002	30001802	264
295.357-010	APPAREL-RENTAL CLERK	3	3	3	3	L5	I	08.0706 20.0306 20.0308	4363	79000	30001899	275
297.667-014	MODEL	3	1	2	3	L45	I		4450	29000	10243899	283
299.357-018	WEDDING CONSULTANT	4	3	4	6	L456	I	08.0706 08.0705 20.0308	4490	71999	30001807	285
299.667-014	STOCK CHECKER, APPAREL	2	1	1	2	L46	I		4490	44055	70100602	285
920.587-022	SAMPLE CLERK, HANDKERCHIEF	2	1	2	2	L46	I		8761	59003	80002899	888

PROGRAM: 08.0104 FOOTWEAR MARKETING.
------------------- AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ENGAGE IN THE MARKETING OF SHOES, BOOTS, SLIPPERS, AND RELATED ITEMS, WITH PARTICULAR EMPHASIS GIVEN TO THE FUNCTIONAL AND FASHION ASPECTS OF ALL TYPES OF FOOTWEAR.

DICTIONARY OF OCCUPATIONAL TITLES CODE	FOURTH EDITION TITLE	GED R M L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
211.462-018	CASHIER-WRAPPER	3 2 2	3	L46	I	08.0102 08.0705	4364	61314	40060800	276
222.687-026	SAMPLE-DISPLAY PREPARER	3 2 2	3	L46	I	08.0705	4754	61350	40061604	365
261.357-018	SALES REPRESENTATIVE, FOOTWEAR	4 3 4	6	L5	I	08.0706 08.0702	4351	71999	30001807	265
261.357-062	SALESPERSON, SHOES	4 3 4	3	L3456	I	08.0706 08.0705	4351	72002	30001802	265
276.257-018	SALESPERSON, ORTHOPEDIC SHOES	4 3 4	6	L345	I	08.0706 08.0705	4351	71999	30001807	265

PROGRAM: 08.0105 JEWELRY MARKETING.
------------------- AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ENGAGE IN THE MARKETING OF GEMS, JEWELRY, WATCHES, AND RELATED ITEMS, WITH SPECIAL EMPHASIS GIVEN TO FINE JEWELRY.

DICTIONARY OF OCCUPATIONAL TITLES CODE	FOURTH EDITION TITLE	GED R M L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
279.357-018	SALES REPRESENTATIVE, JEWELRY	4 3 4	6	L5	I	08.0706 08.0702	4356	71999	30001807	274
279.357-058	SALESPERSON, JEWELRY	4 3 4	5	L456	I	08.0706 08.0705	4356	71999	30001807	274

PROGRAM: 08.0199 APPAREL AND ACCESSORIES MARKETING, OTHER.
-- ANY INSTRUCTIONAL PROGRAM IN APPAREL AND ACCESSORIES MARKETING NOT DESCRIBED ABOVE.

PROGRAM: 08.0200 BUSINESS AND PERSONAL SERVICES MARKETING.

A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS TO PERFORM MARKETING FUNCTIONS AND TASKS IN TWO TYPES OF ENTERPRISES: THOSE PRIMARILY ENGAGED IN PROVIDING SERVICES TO BUSINESSES ON A FEE OR CONTRACT BASIS (SUCH AS ADVERTISING AGENCIES, PUBLISHING AND BROADCASTING COMPANIES, DISPLAY SERVICES, MARKETING RESEARCH AND CONSULTING FIRMS, PROTECTION AGENCIES, BUILDING MAINTENANCE FIRMS AND EMPLOYMENT AGENCIES), AND THOSE PROVIDING SERVICES TO CONSUMERS (SUCH AS PHOTOGRAPHY STUDIOS, BARBER AND BEAUTY SHOPS, GYMNASIUMS, FUNERAL HOMES, HOME MAINTENANCE FIRMS, PET CARE CENTERS, AND RENTAL BUSINESSES OTHER THAN VEHICLE). THESE PROGRAMS PLACE EMPHASIS ON THE MARKETING ACTIVITIES INVOLVED IN SUCH ENTERPRISES AND NOT ON THE DEVELOPMENT OF MANUAL OR PROCEDURAL SKILLS THAT ARE REQUIRED TO PERFORM A PARTICULAR SERVICE OR TASK. INCLUDES INSTRUCTION IN PREPARING INDIVIDUALS TO PERFORM ADVERTISING AND MERCHANDISE DISPLAY FUNCTIONS AS PART OF THE OPERATION OF ANY ENTERPRISE.

PROGRAM: 08.0201 BUSINESS AND PERSONAL SERVICES MARKETING, GENERAL.

AN INSTRUCTIONAL PROGRAM THAT GENERALLY PREPARES INDIVIDUALS TO PERFORM MARKETING FUNCTIONS AND TASKS IN TWO TYPES OF ENTERPRISES: THOSE PRIMARILY ENGAGED IN PROVIDING SERVICES TO BUSINESS ON A FEE OR CONTRACT BASIS (SUCH AS ADVERTISING AGENCIES, PUBLISHING AND BROADCASTING COMPANIES, DISPLAY SERVICES, MARKETING RESEARCH AND CONSULTING FIRMS, PROTECTION AGENCIES, BUILDING MAINTENANCE FIRMS, AND EMPLOYMENT AGENCIES), AND THOSE PROVIDING SERVICES TO CUSTOMERS (SUCH AS PHOTOGRAPHY STUDIOS, BARBER AND BEAUTY SHOPS, GYMNASIUMS, FUNERAL HOMES, HOME MAINTENANCE FIRMS, PET CARE CENTERS AND RENTAL BUSINESSES OTHER THAN VEHICLE). THESE PROGRAMS PLACE EMPHASIS ON THE MARKETING ACTIVITIES INVOLVED IN SUCH ENTERPRISES AND NOT ON THE DEVELOPMENT OF THE MANUAL OR PROCEDURAL SKILLS THAT ARE REQUIRED TO PERFORM A PARTICULAR SERVICE OR TASK. INCLUDES INSTRUCTION IN PREPARING INDIVIDUALS TO PERFORM ADVERTISING AND MERCHANDISING DISPLAY FUNCTIONS AS PART OF THE OPERATION OF ANY ENTERPRISE.

PROGRAM: 08.0202 DISPLAY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ASSUME RESPONSIBILITIES ASSOCIATED WITH THE CREATION OF PRODUCT OR INSTITUTIONAL DISPLAYS AND EXHIBITS FOR THE PURPOSE OF STIMULATING SALES AND GOODWILL.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
142.031-014	MANAGER, DISPLAY	5	3	4	7	L456	I	04.0501 20.0505	3220	25489	10221001	183
142.051-010	DISPLAY DESIGNER	5	3	4	7	S46	B		3220	25489	10221001	183
269.357-018	SALES-PROMOTION REPRESENTATIVE	4	2	3	3	L45	I	08.0706 08.0702 09.0201	4153	71999	30001807	256
297.357-010	DEMONSTRATOR, ELECTRIC-GAS APPLIANCES	5	3	5	6	L5	I	08.0706 08.0802 20.0507	4450	72004	30001899	283

*** PROGRAM: 08.0202 DISPLAY. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES CODE	FOURTH EDITION TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
297.367-010	EXHIBIT-DISPLAY REPRESENTATIVE	4	2	4	5	L5	I	08.0706	4450	72004	30001899	283
298.081-010	DISPLAYER, MERCHANDISE	4	3	3	6	M346	I	04.0501 20.0306 20.0308 20.0505	3220	55A93	50141000	183
298.381-010	DECORATOR	4	4	3	7	L346	I		3220	55A93	50141000	183
299.687-010	PORTER, SAMPLE CASE	2	1	1	2	M4	B		8769	59003	80002899	889
739.361-010	DISPLAY MAKER	4	4	3	7	M4	I		6862	59001	50144899	676
970.281-022	SIGN WRITER, HAND	4	3	3	5	S46	I	48.0203	6863	59001	50144899	774

PROGRAM: 08.0203 MARKETING OF BUSINESS OR PERSONAL SERVICES. -- AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO PERFORM MARKETING TASKS IN A BUSINESS OR PERSONAL SERVICE ENTERPRISE, WITH EMPHASIS ON THE TECHNICAL KNOWLEDGE ASSOCIATED WITH A PARTICULAR SERVICE FIELD.

DICTIONARY OF OCCUPATIONAL TITLES CODE	FOURTH EDITION TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
000.000-000									4664	61418	40062216	327
131.067-014	COPY WRITER	5	2	5	7	S456	I	09.0201	3313	25436	10221201	195
163.167-022	MANAGER, UTILITY SALES AND SERVICE	5	4	4	8	S5	I	06.1401	1250	19000	20061699	013
163.267-010	FIELD REPRESENTATIVE	5	4	3	6	L5	I	06.1401 08.1203	1250	19000	20061699	013
165.067-010	PUBLIC-RELATIONS REPRESENTATIVE	5	4	5	7	S56	I	08.0903 09.0201	3320	25472	10222000	197
165.167-010	SALES-SERVICE PROMOTER	5	3	5	7	L45	I	09.0201	3320	25472	10222000	197
168.267-026	DEALER-COMPLIANCE REPRESENTATIVE	4	3	3	6	L5	B	08.1204	1473	29000	10243899	036
184.167-250	TARIFF PUBLISHING AGENT	4	3	3	8	S56	I		1490	29000	10243899	037
185.157-014	SUPERVISOR OF SALES	4	4	4	7	L45	I	06.1401	1250	19000	20061699	013
185.167-026	MANAGER, MACHINERY-OR-EQUIPMENT, RENTAL	4	4	4	6	L5	I	06.1401 01.0204 01.0503	4010	10035	20061612	243
185.167-042	MANAGER, PROFESSIONAL EQUIPMENT SALES-AN	5	4	4	7	S45	I	06.1401	1390	19000	20061699	019
185.167-050	MANAGER, TEXTILE CONVERSION	4	4	4	6	L456	I	06.1401 08.0707	4020	19000	20061699	243
186.117-062	RENTAL MANAGER, PUBLIC EVENTS FACILITIES	5	4	4	8	L5	I	06.1401 06.1703	1353	19000	20061699	016
186.267-010	BONDING AGENT	4	3	4	6	S5	I	06.1401	1419	19000	20061699	025
187.167-030	DIRECTOR, FUNERAL	4	4	4	7	L456	B	06.1401 12.0301	1359	19000	20061699	018
187.167-058	MANAGER, BARBER OR BEAUTY SHOP	4	4	4	7	L456	I	06.1401 12.0402 12.0403	5251	19000	20061699	456
187.167-074	MANAGER, CEMETERY	4	4	4	7	L56	B	06.1401	1359	19000	20061699	019
187.167-098	MANAGER, EMPLOYMENT AGENCY	4	3	4	7	S5	I	06.1401	4010	19000	20061699	243

*** PROGRAM: 08.0203 MARKETING OF BUSINESS OR PERSONAL SERVICES. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
187.167-138	MANAGER, SALES	4	4	4	7	L5	I	06.1401	4010	19000	20061699	243
187.167-150	MANAGER, STORAGE GARAGE	3	3	3	6	L5	I	06.1401 08.1203	8111	19000	20061699	803
187.167-158	MANAGER, TRAVEL AGENCY	4	4	4	7	L45	I	06.1401 08.1105	1359	19000	20061699	019
191.117-010	ARTIST'S MANAGER	5	4	5	7	S5	I		1450	29000	10243899	034
191.117-018	BUSINESS MANAGER	5	4	5	7	S5	I	08.0903	1450	29000	10243899	034
191.117-026	JOCKEY AGENT	4	3	4	5	L5	B		1450	29000	10243899	034
191.117-034	LITERARY AGENT	5	4	5	7	S5	I		1450	29000	10243899	034
191.287-010	APPRAISER	5	5	5	7	L346	I	08.1203	4440	25404	10243807	285
222.137-014	LINEN-ROOM SUPERVISOR	4	3	3	6	L45	I	07.0401	4525	61396	40061200	307
230.137-010	SUPERVISOR, ADVERTISING-MATERIAL DISTRIB	4	2	4	6	L5	B	09.0201	4030	61396	40061200	243
236.252-010	REPRESENTATIVE, PERSONAL SERVICE	5	3	5	6	L45	I	03.0706	4152	71900	30001899	257
238.367-022	SPACE SCHEDULER	4	2	3	4	S6	I	07.0707	4649	61900	40066898	323
239.367-010	CUSTOMER-SERVICE REPRESENTATIVE	3	2	3	5	S5	I	07.0706	4664	61435	40066808	327
241.267-030	INVESTIGATOR	4	2	4	5	S456	B	07.0202 08.0403 08.1002 08.1003 08.1004	4783	61331	40066810	376
251.257-014	SALES AGENT, PSYCHOLOGICAL TESTS AND IND	5	4	5	7	L5	I	08.0706	4152	71900	30001899	257
251.357-010	SALES AGENT, BUSINESS SERVICES	4	3	4	5	L56	B	08.0706 08.0405 08.0702 08,0905	4152	71900	30001899	257
251.357-018	SALES AGENT, PEST CONTROL SERVICE	4	3	4	6	L356	I	08.0706 01.0503	4152	71900	30001899	257
251.357-022	SALES REPRESENTATIVE, FRANCHISE	4	3	4	5	L5	I	08.0706	4249	71900	30001899	259
251.357-026	SALES REPRESENTATIVE, HERBICIDE SERVICE	4	3	4	5	L5	I	08.0706 01.0503 02.0408	4152	71900	30001899	257
252.257-010	TRAFFIC AGENT	5	3	4	7	L5	I	08.0706	4152	71010	40066402	257
252.357-010	CRATING-AND-MOVING ESTIMATOR	4	3	4	5	L56	I	08.0706	4152	71004	30001805	257
252.357-014	SALES REPRESENTATIVE, SHIPPING SERVICES	3	3	3	5	L45	I	08.0706	4239	71010	40066402	259
253.157-010	COMMUNICATIONS CONSULTANT	5	3	4	6	L56	I	08.0706	4152	71900	30001899	257
253.257-010	SALES REPRESENTATIVE, TELEPHONE SERVICES	5	3	4	6	L5	I	08.0706	4152	71900	30001899	257
253.357-010	SALES REPRESENTATIVE, PUBLIC UTILITIES	4	3	4	6	L5	I	08.0706	4152	71900	30001899	257
254.251-010	SALES REPRESENTATIVE, GRAPHIC ART	5	3	4	7	L456	I	08.0706 09.0201	4153	71900	30001899	256
254.257-010	SALES REPRESENTATIVE, SIGNS AND DISPLAYS	4	3	4	6	L56	I	08.0706 09.0201	4153	71900	30001899	256
254.357-010	LEASING AGENT, OUTDOOR ADVERTISING	3	2	3	4	L56	B	08.0706 09.0201	4153	71900	30001899	256
254.357-014	SALES REPRESENTATIVE, ADVERTISING	4	3	4	6	L5	I	08.0706 09.0201	4153	71900	30001899	256
254.357-018	SALES REPRESENTATIVE, PRINTING	4	3	4	5	L5	I	08.0706	4152	71999	30001807	257
254.357-022	SALES REPRESENTATIVE, SIGNS	4	3	4	6	L56	I	08.0706 09.0201	4153	71900	30001899	256

*** PROGRAM: 08.0203 MARKETING OF BUSINESS OR PERSONAL SERVICES. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
259.157-010	SALES REPRESENTATIVE, AUDIOVISUAL PROGRA	4	3	4	5	L5	I	08.0706	4369	71900	30001899	274
259.157-014	SALES REPRESENTATIVE, HOTEL SERVICES	4	3	4	6	S5	I	08.0706 06.0701 08.0902	4152	71900	30001899	257
259.257-010	SALES REPRESENTATIVE, EDUCATION COURSES	4	3	4	5	L5	I	08.0706	4369	71900	30001899	274
259.257-018	SERVICE REPRESENTATIVE, ELEVATORS, ESCAL	5	4	4	5	L56	I	08.0706	4152	71998	30001808	257
259.357-010	GROUP-SALES REPRESENTATIVE	3	2	3	3	L5	I	08.0706 08.0903 08.1104	4369	71900	30001899	274
259.357-014	SALES REPRESENTATIVE, DANCING INSTRUCTIO	3	2	3	4	L5	I	08.0706	4369	71900	30001899	274
259.357-018	SALES REPRESENTATIVE, RADIO AND TELEVISI	4	3	4	6	L5	I	08.0706 09.0201	4153	71900	30001899	256
259.357-022	SALES REPRESENTATIVE, TELEVISION CABLE S	4	3	4	3	L5	I	08.0706	4369	71900	30001899	274
259.357-030	SALES REPRESENTATIVE, WEATHER-FORECASTIN	4	3	4	4	L45	I	08.0706	4152	71900	30001899	257
259.357-038	TOBACCO-WAREHOUSE AGENT	3	2	3	3	L5	B	08.0706 01.0503	4152	71900	30001899	257
273.357-014	SALES REPRESENTATIVE, AUTOMOTIVE-LEASING	4	3	4	5	L5	I	08.0706 08.1203 08.1207	4369	71900	30001899	274
279.357-034	SALES REPRESENTATIVE, WATER-SOFTENING EQ	4	3	4	5	L56	I	08.0706	4242	71999	30001807	259
293.137-010	SUPERVISOR, BLOOD-DONOR RECRUITERS	4	3	4	6	S5	I		4366	61396	40061200	277
293.157-010	FUND RAISER 1	5	3	4	6	L5	I	08.0706	4366	71003	30001804	277
293.357-010	BLOOD-DONOR RECRUITER	4	2	4	3	L5	I	08.0706	4366	71900	30001899	277
293.357-014	FUND RAISER 2	3	2	3	2	L5	B	08.0706	4366	71003	30001804	277
293.357-018	GOODWILL AMBASSADOR	3	2	3	2	L5	I	08.0706	4450	71900	30001899	283
293.357-022	MEMBERSHIP SOLICITOR	4	3	4	4	L5	I	08.0706 08.0903	4450	71900	30001899	283
295.357-014	TOOL-AND-EQUIPMENT-RENTAL CLERK	3	3	3	4	M45	I	08.0706	4363	71900	30001899	275
295.367-014	BABY-STROLLER AND WHEELCHAIR RENTAL CLER	3	2	3	2	L45	I	08.0706	4363	79000	30001899	275
295.367-018	FILM-RENTAL CLERK	4	3	4	5	L45	I	07.0706	4664	62900	40066899	327
295.467-018	HOSPITAL-TELEVISION-RENTAL CLERK	2	2	2	2	L456	I	08.0706	4363	72002	30001802	275
299.167-010	CIRCULATION-SALES REPRESENTATIVE	4	3	4	6	L5	I	08.0706 08.0702	4249	79000	30001899	259
299.357-010	LINEN CONTROLLER	4	2	3	6	L56	I	08.0706 12.0103	4490	79000	30001899	285
339.137-010	MANAGER, HEALTH CLUB	4	3	4	7	L345	I		5251	44014	70200001	456
358.137-010	CHECKROOM CHIEF	3	2	3	5	L456	I		5251	44014	70200001	456
359.677-014	FUNERAL ATTENDANT	2	1	2	3	M45	I		5269	44015	70080607	469
369.167-010	MANAGER, LAUNDROMAT	4	3	3	6	S45	I	06.1401 12.0102 12.0103	7100	19000	20061699	633
369.467-010	MANAGER, BRANCH STORE	3	2	2	3	L45	B	12.0102 12.0103 20.0302	4363	61324	40066898	275
369.477-014	SERVICE-ESTABLISHMENT ATTENDANT	3	2	2	3	L45	I	08.0903 20.0302	4363	61324	40066898	275
372.167-022	MANAGER, ARMORED TRANSPORT SERVICE	4	3	4	6	L45	I	06.1401 43.0109	1342	19000	20061699	019
376.137-010	MANAGER, INTERNAL SECURITY	4	3	4	7	L56	I6	43.0109	5113	44014	70200001	415

PROGRAM: 08.0299 BUSINESS AND PERSONAL SERVICES MARKETING, OTHER. ANY INSTRUCTIONAL PROGRAM IN BUSINESS AND PERSONAL SERVICES MARKETING NOT DESCRIBED ABOVE.

PROGRAM: 08.0300 ENTREPRENEURSHIP. A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS TO PERFORM MARKETING AND MANAGEMENT FUNCTIONS AND TASKS ASSOCIATED WITH OWNING AND OPERATING A BUSINESS.

INCLUDES PERSONS CONCERNED WITH POLICY MAKING, PLANNING, ORGANIZING, STAFFING, DIRECTING, AND/OR WHO DIRECTLY SUPERVISE THE ACTIVITIES OF THE COMPANY OR ESTABLISHMENT WORK FORCE AND/OR PROFESSIONAL OR TECHNICAL MANAGEMENT-SUPPORT PERSONNEL. ALSO INCLUDES PERSONS RESPONSIBLE FOR THE OPERATION OF AN ENTERPRISE OR ESTABLISHMENT (USUALLY SMALL-SCALE) IN WHICH THEY MAY ENGAGE IN THE SAME ACTIVITIES AS THE WORKERS THEY SUPERVISE, BUT WHO ALSO DIRECTLY ORGANIZE, CONTROL, AND COORDINATE ACTIVITIES, DO THE PLANNING, AND WHO MAY BE RESPONSIBLE FOR SUCH MATTERS AS FINANCING. PERSONS IN THIS CATEGORY PERFORM DUTIES AS DESCRIBED BELOW UNDER THE TITLES 'MANAGER, GENERAL'; 'MANAGER, OPERATIONS'; 'MANAGER, SUPERVISOR'; DEPENDING UPON THE SIZE AND COMPLEXITY OF THE ORGANIZATION OPERATED.

MANAGER, GENERAL

PLANS, ORGANIZES, DIRECTS AND CONTROLS THE MAJOR FUNCTIONS OF AN INDUSTRIAL, COMMERCIAL, GOVERNMENTAL, OR OTHER ESTABLISHMENT THROUGH DEPARTMENTAL MANAGERS AND OTHER SUBORDINATE EXECUTIVES, AND WITHIN POWERS DELEGATED BY A DIRECORATE, GOVERNING BODY, OR OFFICIAL DECREE, BY PERFORMING ANY COMBINATION OF THE FOLLOWING DUTIES.

ESTABLISHES ORGANIZATION OBJECTIVES, FORMULATES AND APPROVES POLICIES AND PROGRAMS AND SETS STANDARDS BY USING KNOWLEDGE OF ORGANIZATION'S CAPACITIES; ANALYZES ECONOMIC, SOCIAL, TECHNICAL, LEGAL AND OTHER TRENDS; CONSULTS WITH SUBORDINATE MANAGERS AND EXECUTIVES; AND REVIEWS STAFF RECOMMENDATIONS AND REPORTS. AUTHORIZES ESTABLISHMENT OF MAJOR DEPARTMENTS AND KEY EXECUTIVE POSITIONS, AND FUNDS TO IMPLEMENT DEPARTMENTAL POLICIES AND PROGRAMS. SELECTS OR APPROVES SELECTION OF DEPARTMENTAL MANAGERS AND SENIOR STAFF, DELEGATES AUTHORITY AND APPROVES OVERALL PERSONNEL PROGRAM. DIRECTS, MOTIVATES AND DEVELOPS SKILLS OF EXECUTIVE AND MANAGERIAL PERSONNEL TO FOSTER PRODUCTIVITY GROWTH AND HIGH MORALE, EXERCISING LEADERSHIP ABILITY AND USING KNOWLEDGE OF MANAGEMENT SCIENCE. COORDINATES ACTIVITIES OF DEPARTMENTS OR OTHER FUNCTIONAL UNITS BY UTILIZING STAFF CONFERENCES, SCHEDULE BOARDS, FLOW CHARTS AND OTHER DEVICES, AND BY DEVELOPING EFFECTIVE LINES OF COMMUNICATION. PROVIDES FOR ADMINISTRATION CONTROLS, SUCH AS REPORTS, AUDITS AND INSPECTIONS. MAINTAINS AWARENESS OF DEVELOPMENTS AFFECTING OBJECTIVES AND POLICIES, AND TAKES INITIATIVE IN EFFECTING REMEDIAL

ACTION OR NEEDED ADJUSTMENTS, IN CONSULTATION WITH EXECUTIVES CONCERNED. ASSUMES RESPONSIBILITY FOR PRODUCTS OR SERVICES OF ESTABLISHMENT. REPRESENTS ORGANIZATION, OR DELEGATES REPRESENTATIVES IN NEGOTIATIONS, AT CONVENTIONS, SEMINARS AND OTHER OFFICIAL OCCASIONS. ENTERTAINS OFFICIALS, DEVELOPS LIAISON WITH OTHER ORGANIZATIONS AND FREQUENTLY SITS ON CHARITABLE, EDUCATIONAL OR OTHER CIVIC COMMITTEES, TO PROMOTE GOOD PUBLIC RELATIONS.

MANAGER, OPERATIONS.

PLANS, ORGANIZES, DIRECTS AND CONTROLS THE ACTIVITIES OF A DEPARTMENT, DIVISION, PROGRAM, REGIONAL OFFICE OR OTHER UNIT OF AN INDUSTRIAL, COMMERCIAL, GOVERNMENTAL OR OTHER ESTABLISHMENT, THROUGH SUBORDINATES WHO ARE AT A SUPERVISORY LEVEL OR ABOVE AND WITHIN POLICIES LAID DOWN BY SENIOR MANAGEMENT, BY PERFORMING ANY COMBINATION OF THE FOLLOWING DUTIES.

ESTABLISHES PROCEDURES TO IMPLEMENT POLICIES AND DIRECTIVES OF SENIOR MANAGEMENT, AND RECOMMENDS CHANGES IN POLICIES TO ACHIEVE ASSIGNED OBJECTIVES, BASED ON DETAILED KNOWLEDGE OF THE UNIT'S PERFORMANCE CAPABILITIES. PREPARES AND SUBMITS FINANCIAL ESTIMATES FOR APPROVAL. DETERMINES ORGANIZATIONAL STRUCTURES IN HIS UNIT, AND DEFINES SUBORDINATE MANAGERIAL AND SUPERVISORY FUNCTIONS. SELECTS OR APPROVES APPOINTMENT OF SUBORDINATE STAFF, AND DIRECTS THEIR TRAINING TO ENSURE EFFICIENT USAGE OF PERSONNEL AND MATERIAL. COORDINATES ACTIVITIES WITHIN ASSIGNED AREAS AND WITH OTHER DEPARTMENTS OR UNITS BY CONFERRING WITH OTHER MANAGERS OR SUBORDINATES AND UTILIZING SCHEDULE BOARDS, FLOW CHARTS AND SIMILAR DEVICES. REVIEWS EFFECTIVENESS OF ASSIGNED OPERATIONS, ENFORCES REGULATIONS, PREPARES REPORTS, AND ADVISES SENIOR MANAGEMENT OF TRENDS IN OWN OPERATIONS WHICH MAY BE SIGNIFICANT FOR OTHER UNITS OF THE ORGANIZATION. ASSUMES RESPONSIBILITY FOR OPERATIONS OF THE UNIT. ASSISTS STAFF WITH IMPORTANT AND DIFFICULT ADMINISTRATIVE OR TECHNICAL PROBLEMS. NEGOTIATES WITH SPECIALISTS, TECHNICAL CONSULTANTS AND EXTERNAL ORGANIZATIONS ON MATTERS SUCH AS BUSINESS SERVICES AND UNION CONTRACTS. REPRESENTS ORGANIZATION ON BOARDS OR COMMITTEES AS A DELEGATED SPECIALIST, OR IN A PUBLIC RELATIONS CAPACITY.

MANAGER-SUPERVISOR

PLANS, ORGANIZES, DIRECTS AND CONTROLS THE OPERATIONS OF AN ESTABLISHMENT ENGAGED IN RETAIL OR WHOLESALE TRADE, OR IN PROVIDING SERVICES TO THE PUBLIC, TO BUSINESS OR OTHER ORGANIZATIONS, ON OWN OWNER'S BEHALF OR IN PARTNERSHIP, AND SUPERVISES AND COORDINATES ACTIVITIES OF SUBORDINATE WORKERS, BY PERFORMING ANY COMBINATION OF THE FOLLOWING DUTIES:

ESTIMATES CONSUMER DEMANDS, AND DETERMINES OR RECOMMENDS TYPES AND QUANTITIES OF MERCHANDISE OR SERVICES TO BE SOLD, AND PRICE AND CREDIT POLICIES TO BE IMPLEMENTED. DEFINES OPERATING PROCEDURES PLANS BUDGET, PREPARES OR SUPERVISES PREPARATION OF PURCHASE ORDERS FOR STOCK AND SUPPLIES, AND AUTHORIZES OR OBTAINS AUTHORIZATION FOR EXPENDITURES. ESTABLISHES LAYOUT OF PREMISES. DETERMINES STAFF FUNCTIONS AND SIZES AND HIRES OR ARRANGES FOR HIRING OF STAFF. ASSIGNS DUTIES, SETS SALARIES AND INITIATES PERSONNEL ACTIONS SUCH AS PROMOTIONS AND DISCHARGES. SUPERVISES AND TRAINS WORKERS, OR OVERSEES SUPERVISION AND TRAINING. COORDINATES ACTIVITIES OF WORKERS TO ENSURE EFFICIENT OPERATIONS. COUNTS AND DEPOSITS MONEY RECEIVED, OR SUPERVISES HANDLING OF MONEY, TAKES OR VERIFIES INVENTORIES; AND KEEPS ACCOUNTS AND OTHER RECORDS. ENSURES THAT SAFETY, HEALTH AND SECURITY REGULATIONS ARE FOLLOWED. PROMOTES THE SALE OF ESTABLISHMENT GOODS OR SERVICES, AND APPROVES ADVERTISING AND DISPLAY WORK. RECEIVES AND ACTS ON CUSTOMER COMPLAINTS. CONFERS WITH WORKERS OR THEIR REPRESENTATIVES TO RESOLVE GRIEVANCES AND OTHER EMPLOYEE PROBLEMS.

PROGRAM: 08.0301 ENTREPRENEURSHIP, GENERAL.

AN INSTRUCTIONAL PROGRAM THAT GENERALLY PREPARES INDIVIDUALS TO PERFORM MARKETING AND MANAGEMENT FUNCTIONS AND TASKS ASSOCIATED WITH OWNING AND OPERATING A BUSINESS.

FOR OCCUPATIONS IN THIS AREA, SEE 08.0300, ENTREPRENEURSHIP, ON PAGE 170.

PROGRAM: 08.0400 FINANCIAL SERVICES MARKETING.

A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS TO PERFORM MARKETING FUNCTIONS AND TASKS IN FINANCIAL INSTITUTIONS SUCH AS COMMERCIAL BANKS, SAVINGS AND LOAN ASSOCIATIONS, CREDIT AGENCIES, CREDIT UNIONS, CONSUMER-FINANCE COMPANIES, COLLECTION AGENCIES, SECURITY AND COMMODITY BROKERAGES, AND CREDIT DEPARTMENTS OF BUSINESS ENTERPRISES.

PROGRAM: 08.0401 FINANCIAL SERVICES MARKETING, GENERAL.

AN INSTRUCTIONAL PROGRAM THAT GENERALLY PREPARES INDIVIDUALS TO PERFORM MARKETING FUNCTIONS AND TASKS IN FINANCIAL INSTITUTIONS SUCH AS COMMERCIAL BANKS, SAVINGS AND LOAN ASSOCIATIONS, CREDIT AGENCIES, CREDIT UNIONS, CONSUMER-FINANCE COMPANIES, COLLECTION AGENCIES, SECURITY AND COMMODITY BROKERAGES, AND CREDIT DEPARTMENTS OF BUSINESS ENTERPRISES.

PROGRAM: 08.0402 BANKING MARKETING.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO UNDERTAKE MARKETING FUNCTIONS IN COMMERCIAL BANKS TO PROMOTE AND TRANSACT FINANCIAL AND TRUST SERVICES, INCLUDING FINANCIAL COUNSELING.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
160.207-010	CREDIT COUNSELOR	5	5	5	7	S5	I	07.0102 08.0403 08.0404 08.0405	1419	29000	10243899	025
160.267-010	CREDIT ANALYST, CHIEF	5	5	5	8	S46	I	08.0404 08.0405	1412	25428	10243809	023
168.167-054	MANAGER, CREDIT AND COLLECTION	5	5	5	8	S5	I	06.1401 07.0401 08.0403 08.0404	1419	19000	20061699	025
186.117-038	MANAGER, FINANCIAL INSTITUTION	5	4	4	8	S5	I	06.1401 07.0401 08.0403 08.0404 08.0405	1220	19000	20061699	007
186.117-050	NEGOTIATOR, LETTER OF CREDIT	5	4	4	7	S5	I	06.1401	1419	19000	20061699	025
186.117-074	TRUST OFFICER	5	5	5	8	S5	I	06.1401	1419	19000	20061699	025
186.137-010	SUPERVISOR, SAFETY DEPOSIT	3	3	3	6	L45	I	06.1401 07.0401	4519	19000	20061699	303
186.167-014	FOREIGN-EXCHANGE TRADER	5	4	4	8	S4	I	08.0703	1419	29000	10243899	025
186.267-014	LOAN COUNSELOR	5	4	5	7	S5	I	08.0403 08.0404 08.0405	1415	29000	10243899	025
186.267-018	LOAN OFFICER	5	4	4	7	S6	I	06.1401 08.0403 08.0404 08.0405	1415	19000	20061699	025
211.362-018	TELLER	4	3	2	5	L456	I	07.0205 08.0404	4791	61382	40060203	383

*** PROGRAM: 08.0402 BANKING MARKETING. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
211.362-026	TELLER, NOTE	4	3	3	5	L456	I	07.0205	4791	61382	40060203	383
216.362-018	EXCHANGE CLERK	4	3	3	4	S45	I	07.0205 08.0703	4791	61382	40060203	383
219.132-014	SUPERVISOR, TRUST ACCOUNTS	4	3	4	7	L456	I	07.0102 07.0401	4799	61396	40061200	389
241.267-022	CREDIT ANALYST	4	3	4	7	S5	I	07.0204 08.0403 08.0404	1419	61421	40066841	025
251.257-010	SALES AGENT, FINANCIAL SERVICES	5	4	5	6	L45	I	08.0706	4124	71007	30001604	255
251.257-018	SALES REPRESENTATIVE, TRAVELERS' CHECKS	5	3	4	7	S45	I	08.0706	4124	71900	30001899	255

PROGRAM: 08.0403 CREDIT MARKETING.
---------------- AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO FUNCTION AS AUTHORITATIVE CREDIT EXPERTS IN CREDIT DEPARTMENTS IN VARIOUS BUSINESS ENTERPRISES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
160.207-010	CREDIT COUNSELOR	5	5	5	7	S5	I	07.0102 08.0402 08.0404 08.0405	1419	29000	10243899	025
161.267-014	CREDIT OFFICER, DEALER ACCOUNTS	5	5	4	7	L5	I	06.1401	1419	19000	20061699	025
168.167-054	MANAGER, CREDIT AND COLLECTION	5	5	5	8	S5	I	06.1401 07.0401 08.0402 08.0404	1419	19000	20061699	025
186.117-038	MANAGER, FINANCIAL INSTITUTION	5	4	4	8	S5	I	06.1401 07.0401 08.0402 08.0404 08.0405	1220	19000	20061699	007
186.167-022	MANAGER, CREDIT CARD OPERATIONS	5	5	5	8	S5	I	06.1401	1220	19000	20061699	007
186.267-014	LOAN COUNSELOR	5	4	5	7	S5	I	08.0402 08.0404 08.0405	1415	29000	10243899	025
186.267-018	LOAN OFFICER	5	4	4	7	S6	I	06.1401 08.0402 08.0404 08.0405	1415	19000	20061699	025
205.367-014	CHARGE-ACCOUNT CLERK	3	2	3	2	S5	I	07.0204 08.0705	4642	61900	40066898	316
205.367-022	CREDIT CLERK	4	3	4	4	S5	I	07.0204	4642	61421	40056841	316
219.387-018	LETTER-OF-CREDIT CLERK	4	3	3	5	S46	I	07.0204	4712	61900	40066898	337
241.137-010	SUPERVISOR, CREDIT AND LOAN COLLECTIONS	4	3	4	5	S5	I	07.0202 07.0401	4528	61396	40061200	307

*** PROGRAM: 08.0403 CREDIT MARKETING. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
241.267-022	CREDIT ANALYST	4	3	4	7	S5	I	07.0204 08.0402 08.0404	1419	61421	40066841	025
241.267-030	INVESTIGATOR	4	2	4	5	S456	B	07.0202 08.0203 08.1002 08.1003 08.1004	4783	61331	40066810	376
241.367-018	LOAN INTERVIEWER	4	3	3	6	S5	I	07.0204	4783	61337	40066898	376
249.367-022	CREDIT AUTHORIZER	3	2	2	3	S56	I	07.0204	4799	61344	40062201	389
249.367-050	LOAN CLOSER	4	4	4	6	S56	I	07.0204	4799	61434	40066801	389
251.357-014	SALES AGENT, FINANCIAL-REPORT SERVICE	4	3	4	5	L5	I	08.0706	4124	71900	30001899	255

PROGRAM: 08.0404 CREDIT UNION MARKETING.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO PERFORM MARKETING FUNCTIONS IN NONPROFIT FINANCIAL COOPERATIVES THAT PROVIDE FINANCIAL SERVICES AND COUNSELING FOR THE BENEFIT OF A DEFINED GROUP OF PEOPLE.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
160.207-010	CREDIT COUNSELOR	5	5	5	7	S5	I	07.0102 08.0402 08.0403 08.0405	1419	29000	10243899	025
160.267-010	CREDIT ANALYST, CHIEF	5	5	5	8	S46	I	08.0402 08.0405	1412	25428	10243809	023
168.167-054	MANAGER, CREDIT AND COLLECTION	5	5	5	8	S5	I	06.1401 07.0401 08.0402 08.0403	1419	19000	20061699	025
186.117-038	MANAGER, FINANCIAL INSTITUTION	5	4	4	8	S5	I	06.1401 07.0401 08.0402 08.0403 08.0405	1220	19000	20061699	007
186.167-026	MANAGER, CREDIT UNION	5	5	5	7	S5	I	06.1401	1220	19000	20061699	007
186.267-014	LOAN COUNSELOR	5	4	5	7	S5	I	08.0402 08.0403 08.0405	1415	29000	10243899	025

*** PROGRAM: 08.0404 CREDIT UNION MARKETING. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION		GED	SVP	PHYSICAL	WORKING	OTHER	1980	O E S		1980
CODE	TITLE	R M L		DEMANDS	CONDITIONS	C I P PROGRAM	SOC CODE	SURVEY CODE	MATRIX CODE	CENSUS CODE
186.267-018	LOAN OFFICER	5 4 4	7	S6	I	06.1401 08.0402 08.0403 08.0405	1415	19000	20061699	025
211.362-018	TELLER	4 3 2	5	L456	I	07.0205 08.0402	4791	61382	40060203	383
241.267-022	CREDIT ANALYST	4 3 4	7	S5	I	07.0204 08.0402 08.0403	1419	61421	40066841	025

PROGRAM: 08.0405 SAVINGS AND LOAN MARKETING.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO UNDERTAKE MARKETING FUNCTIONS IN SAVINGS AND LOAN ASSOCIATIONS TO PROMOTE AND TRANSACT FINANCIAL SERVICES, WITH MAJOR EMPHASIS ON NEGOTIATING LOANS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION		GED	SVP	PHYSICAL	WORKING	OTHER	1980	O E S		1980
CODE	TITLE	R M L		DEMANDS	CONDITIONS	C I P PROGRAM	SOC CODE	SURVEY CODE	MATRIX CODE	CENSUS CODE
160.207-010	CREDIT COUNSELOR	5 5 5	7	S5	I	07.0102 08.0402 08.0403 08.0404	1419	29000	10243899	025
160.267-010	CREDIT ANALYST, CHIEF	5 5 5	8	S46	I	08.0402 08.0404	1412	25428	10243809	023
186.117-038	MANAGER, FINANCIAL INSTITUTION	5 4 4	8	S5	I	06.1401 07.0401 08.0402 08.0403 08.0404	1220	19000	20061699	007
186.267-014	LOAN COUNSELOR	5 4 5	7	S5	I	08.0402 08.0403 08.0404	1415	29000	10243899	025
186.267-018	LOAN OFFICER	5 4 4	7	S6	I	06.1401 08.0402 08.0403 08.0404	1415	19000	20061699	025
191.267-014	CREDIT ANALYST	5 4 5	8	S5	I		1419	25429	10243810	025
251.357-010	SALES AGENT, BUSINESS SERVICES	4 3 4	5	L56	B	08.0706 08.0203 08.0702 08.0905	4152	71900	30001899	257

PROGRAM: 08.0406 SECURITIES AND COMMODITIES MARKETING. AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO MARKET THE SERVICES OF BROKERAGES, WITH MAJOR EMPHASIS ON THE BUYING AND SELLING OF SECURITIES AND COMMODITIES FOR COMMERCIAL AND PRIVATE INVESTORS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
000.000-000									4699	61302 61311 61342 61356 61369 61388 71016	40066802 40066806 40065207 40066816 40066822 40066827 30001601	336
162.157-010	BROKER-AND-MARKET OPERATOR, GRAIN	5	4	4	7	S5	I	01.0503 08.0704 08.0707	1443	25300	10240801	028
162.157-014	BROKER'S FLOOR REPRESENTATIVE	5	5	5	8	L5	I5		4124	25529	10243819	255
162.157-042	SECURITIES TRADER 1	5	5	4	7	S5	I		4124	25529	10243819	255
186.117-034	MANAGER, BROKERAGE OFFICE	5	5	5	8	S5	I	06.1401 07.0401	1210	19000	20061699	019
186.167-054	RESERVE OFFICER	5	5	4	9	S56	I	06.1401	1220	19000	20061699	007
186.167-058	SECURITIES TRADER 2	6	5	5	8	S5	I	06.1401	1419	19000	20061699	025
216.137-014	STOCK-TRANSFER CLERK, HEAD	4	4	4	6	S5	I	07.0103 07.0401	4521	61396	40061200	305
219.132-018	SUPERVISOR, TRUST EVALUATION	4	4	4	6	L456	I	07.0102 07.0401	4519	61396	40061200	303
219.362-018	BROKERAGE CLERK 2	3	3	3	4	L45	I		4699	61308	40065205	336
251.157-010	SALES AGENT, SECURITIES	5	4	5	7	S45	I	08.0706	4124	71009	30001605	255

PROGRAM: 08.0499 FINANCIAL SERVICES MARKETING, OTHER. ANY INSTRUCTIONAL PROGRAM IN FINANCIAL SERVICES MARKETING NOT DESCRIBED ABOVE.

PROGRAM: 08.0500 FLORISTRY, FARM AND GARDEN SUPPLIES MARKETING. A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS TO PERFORM MARKETING FUNCTIONS AND TASKS IN RETAIL, WHOLESALE, AND MANUFACTURING ESTABLISHMENTS AND WITH GROWERS DEALING WITH LIVE PLANTS, CUT FLOWERS, FLORAL ARRANGEMENTS, ARTIFICIAL FLOWERS AND PLANTS, GARDEN SUPPLIES, EQUIPMENT, AND RELATED ITEMS; AND SEED, FERTILIZERS, AND OTHER SUPPLIES FOR FARM PRODUCTION.

PROGRAM: 08.0501 FLORISTRY, FARM AND GARDEN SUPPLIES MARKETING, GENERAL.

AN INSTRUCTIONAL PROGRAM THAT GENERALLY PREPARES INDIVIDUALS TO PERFORM MARKETING FUNCTIONS AND TASKS IN RETAIL, WHOLESALE, AND MANUFACTURING ESTABLISHMENTS, AND WITH GROWERS DEALING WITH LIVE PLANTS, CUT FLOWERS, FLOWER ARRANGEMENTS, ARTIFICIAL FLOWERS AND PLANTS, GARDEN SUPPLIES, EQUIPMENT, AND RELATED ITEMS; AND SEED, FERTILIZERS, AND OTHER SUPPLIES FOR FARM PRODUCTION.

PROGRAM: 08.0502 FARM AND GARDEN SUPPLIES MARKETING.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO UNDERTAKE RESPONSIBILITIES ASSOCIATED WITH THE MARKETING OF SUPPLIES USED IN AGRICULTURAL PRODUCTION, OR PLANTS AND PRODUCTS USED IN LANDSCAPING AND HOME GARDENING.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
180.167-042	MANAGER, NURSERY	4 4 4	7	L456	B	06.1401 01.0104 01.0604 01.0606 02.0403 02.0404	5525	19000	20061699	476
272.357-010	SALES REPRESENTATIVE, ANIMAL-FEED PRODUC	4 3 4	6	L5	I	08.0706 01.0304 01.0503 02.0204 08.0702	4233	71998	30001808	259
272.357-014	SALES REPRESENTATIVE, FARM AND GARDEN EQ	4 3 4	5	L5	I	08.0706 01.0503 08.0702 08.1202	4233	71998	30001808	259
272.357-018	SALES REPRESENTATIVE, POULTRY EQUIPMENT	4 3 4	6	M5	B	08.0706 01.0503 02.0204 02.0209 08.0702 08.1202	4233	71998	30001808	259
272.357-022	SALESPERSON, HORTICULTURAL AND NURSERY P	4 3 4	4	L45	I	08.0706 01.0503 01.0604 01.0606 02.0404 08.0503 08.0705	4353	71999	30001807	268
274.357-030	SALES REPRESENTATIVE, DAIRY SUPPLIES	4 3 4	6	L5	I	08.0706 01.0503 08.0702	4233	71998	30001808	259

PROGRAM: 08.0503 FLORISTRY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO PERFORM MARKETING FUNCTIONS ASSOCIATED WITH RETAIL AND WHOLESALE FLORAL AND GREENHOUSE OPERATIONS.

DICTIONARY OF OCCUPATIONAL TITLES CODE	FOURTH EDITION TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
142.081-010	FLORAL DESIGNER	4	3	3	6	L46	I24	01.0603 02.0404 20.0504	3220	25489	10221001	183
260.357-026	SALESPERSON, FLOWERS	4	3	3	4	L456	I4	08.0706	4359	71999	30001807	274
260.357-026	SALESPERSON, FLOWERS	4	3	3	4	L456	I4	01.0603 08.0705 20.0504	4359	71999	30001807	274
272.357-022	SALESPERSON, HORTICULTURAL AND NURSERY P	4	3	4	4	L45	I	08.0706 01.0503 01.0604 01.0606 02.0404 08.0502 08.0705	4353	71999	30001807	268
275.357-054	SALESPERSON, FLORIST SUPPLIES	4	3	4	4	L5	I	08.0706 08.0705	4242	71999	30001807	259
291.454-010	LEI SELLER	2	2	2	2	L456	B	08.0706	4366	72006	30001803	277

PROGRAM: 08.0599 FLORISTRY, FARM AND GARDEN SUPPLIES MARKETING, OTHER.

ANY INSTRUCTIONAL PROGRAM IN FLORISTRY, FARM AND GARDEN SUPPLIES MARKETING NOT DESCRIBED ABOVE.

PROGRAM: 08.0600 FOOD MARKETING.

A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS TO PERFORM MARKETING FUNCTIONS AND TASKS IN RETAIL AND WHOLESALE ESTABLISHMENTS, AND IN FOOD PROCESSING AND MANUFACTURING FIRMS THAT DEAL PRIMARILY WITH FOOD AND BEVERAGE PRODUCTS FOR EITHER HOME PREPARATION AND CONSUMPTION, OR FOR USE IN COMMMERCIAL AND INSTITUTIONAL FOOD SERVICE INSTALLATIONS

PROGRAM: 08.0601 FOOD MARKETING, GENERAL.

AN INSTRUCTIONAL PROGRAM THAT GENERALLY PREPARES INDIVIDUALS TO PERFORM MARKETING FUNCTIONS AND TASKS IN RETAIL AND WHOLESALE ESTABLISHMENTS, AND IN FOOD PROCESSING AND MANUFACTURING FIRMS THAT DEAL PRIMARILY WITH FOOD AND BEVERAGE PRODUCTS FOR EITHER HOME PREPARATION AND CONSUMPTION, OR FOR USE IN COMMERCIAL AND INSTITUTIONAL FOOD SERVICE INSTALLATIONS.

PROGRAM: 08.0602 CONVENIENCE STORE MARKETING. AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO PERFORM MARKETING FUNCTIONS ASSOCIATED WITH THE MARKETING OF A LIMITED LINE OF CONVENIENCE FOOD PRODUCTS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
185.167-046	MANAGER, RETAIL STORE	4	4	3	7	L45	I	06.1401 08.0603 08.0604 08.0705 08.0904	4030	10035	20061612	243
211.462-010	CASHIER 2	3	3	2	2	S456	I	08.0603 08.0705 08.0707 20.0406	4364	61314	40060800	276
211.462-014	CASHIER-CHECKER	3	2	2	3	L456	I	08.0603 08.0604 08.0705	4364	61314	40060800	276
290.477-018	SALES CLERK, FOOD	3	3	2	3	L45	I	08.0706 08.0603 08.0604 08.0705	4362	72002	30001802	274
299.367-014	STOCK CLERK, SELF-SERVICE STORE	3	2	2	4	M346	I	08.0705	4362	55D74	80002003	274

PROGRAM: 08.0603 SPECIALTY FOODS MARKETING. AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO UNDERTAKE RESPONSIBILITIES IN MARKETING AT RETAIL A SPECIALTY-FOOD LINE, SUCH AS CONFECTIONERY, BAKED GOODS,, WINE AND CHEESE, OR MEAT.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
185.167-030	MANAGER, MEAT SALES AND STORAGE	4	3	3	6	M456	I2	06.1401 08.0605 08.0707	4020	19000	20061699	243
185.167-046	MANAGER, RETAIL STORE	4	4	3	7	L45	I	06.1401 08.0602 08.0604 08.0705 08.0904	4030	10035	20061612	243
211.462-010	CASHIER 2	3	3	2	2	S456	I	08.0602 08.0705 08.0707 20.0406	4364	61314	40060800	276
211.462-014	CASHIER-CHECKER	3	2	2	3	L456	I	08.0602 08.0604 08.0705	4364	61314	40060800	276
290.477-018	SALES CLERK, FOOD	3	3	2	3	L45	I	08.0706 08.0602	4362	72002	30001802	274
290.477-018	SALES CLERK, FOOD	3	3	2	3	L45	I	08.0604 08.0705	4362	72002	30001802	274

PROGRAM: 08.0604 SUPERMARKET MARKETING.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO PERFORM MARKETING FUNCTIONS IN LARGE RETAIL FOOD STORES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
185.167-010	COMMISSARY MANAGER	4	4	3	6	L35	I	06.1401	4020	19000	20061699	243
185.167-046	MANAGER, RETAIL STORE	4	4	3	7	L45	I	06.1401 08.0602 08.0603 08.0705 08.0904	4030	10035	20061612	243
211.462-014	CASHIER-CHECKER	3	2	2	3	L456	I	08.0602 08.0603 08.0705	4364	61314	40060800	276
290.477-018	SALES CLERK, FOOD	3	3	2	3	L45	I	08.0706 08.0602 08.0603 08.0705	4362	72002	30001802	274
920.687-014	BAGGER	2	1	1	2	M34	B		8724	55D66	61060804	877

PROGRAM: 08.0605 WHOLESALE FOOD MARKETING.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ENGAGE IN WHOLESALE OPERATIONS THAT SUPPLY A GENERAL OR COMMODITY LINE OF FOOD PRODUCTS AND BEVERAGES TO RETAILERS, RESTAURANTS, AND INSTITUTIONAL USERS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
162.157-026	COMMISSION AGENT, LIVESTOCK	4	3	4	6	L56	I	08.0706 01.0503 02.0208 08.0707	4246	71999	30001807	259
185.167-030	MANAGER, MEAT SALES AND STORAGE	4	3	3	6	M456	I2	06.1401 08.0603 08.0707	4020	19000	20061699	243
185.167-070	WHOLESALER 1	5	5	4	8	S45	B	06.1401 08.0707	4020	10048	20061615	243
186.167-042	MANAGER, MARKET	4	3	3	7	S5	I	06.1401 08.0707	1353	19000	20061699	016
260.257-010	SALES REPRESENTATIVE, LIVESTOCK	4	3	4	5	L5	I	08.0706 01.0503 02.0208	4246	71999	30001807	259
260.357-010	COMMISSION AGENT, AGRICULTURAL PRODUCE	4	3	4	6	S5	I	08.0706 01.0503 08.0707	4246	71999	30001807	259
260.357-014	SALES REPRESENTATIVE, FOOD PRODUCTS	4	3	4	5	L5	I	08.0706	4249	71999	30001807	259
260.357-018	SALES REPRESENTATIVE, MALT LIQUORS	4	3	3	4	L5	I	08.0706	4249	71999	30001807	259
260.357-022	SALES REPRESENTATIVE, TOBACCO PRODUCTS A	4	3	3	5	L5	I	08.0706	4249	71999	30001807	259
299.137-014	SALES SUPERVISOR, MALT LIQUORS	4	3	4	5	L5	I	06.1401 08.0702	4020	19000	20061699	243

PROGRAM: 08.0699 FOOD MARKETING, OTHER.

ANY INSTRUCTIONAL PROGRAM IN FOOD MARKETING NOT DESCRIBED ABOVE.

PROGRAM: 08.0700 GENERAL MARKETING.

A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS TO PERFORM MARKETING AND MANAGEMENT FUNCTIONS AND TASKS THAT CAN BE APPLIED BROADLY IN ANY MARKETING ENVIRONMENT. PRINCIPLES, PRACTICES, AND PROCEDURES ARE TAUGHT WITHOUT PARTICULAR IDENTIFICATION WITH A SPECIFIC KIND OF ENTERPRISE, PRODUCT, OR SERVICE. EXTENSIVE KNOWLEDGE OF A TRADE, PRODUCT, OR SERVICE AREA MAY HAVE BEEN ALREADY ACQUIRED BY PERSONS ENROLLED, EITHER BY PRIOR TRAINING OR EMPLOYMENT EXPERIENCE; OTHERS MAY DESIRE MARKETING SKILLS FOR APPLICATION IN ANY ENTERPRISE OR SUBSEQUENT SPECIALIZED TRAINING IN MARKETING. THE FOCUS FOR THESE INSTRUCTIONAL PROGRAMS MAY BE ON INSTITUTIONS OF MARKETING, ON SPECIFIC MARKETING FUNCTIONS, OR ON UNIQUE KINDS OF MARKETING ACTIVITY.

PROGRAM: 08.0701 AUCTIONEERING.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO SELL ARTICLES AT AN AUCTION TO THE HIGHEST BIDDER.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
294.257-010	AUCTIONEER	3	2	3	6	L456	I	08.0706 01.0503	4470	71900	30001899	284
294.567-010	AUCTION CLERK	2	2	2	3	S45	I	08.0706	4364	79000	30001899	276
294.667-010	AUCTION ASSISTANT	2	1	2	2	L45	I	08.0706 01.0503	4699	79000	30001899	336

PROGRAM: 08.0702 INDUSTRIAL SALES.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO SERVE AS AGENTS OR SALES REPRESENTATIVES FOR MANUFACTURERS AND SELL A SPECIAL LINE OF PRODUCTS TO OTHER BUSINESSES, FACTORIES, PROFESSIONAL WORKERS, AND PUBLIC AND PRIVATE INSTITUTIONS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
007.151-010	SALES ENGINEER, MECHANICAL EQUIPMENT	5	5	5	8	L456	B		4210	21008	10021200	258
013.151-010	SALES ENGINEER, AGRICULTURAL EQUIPMENT	5	5	5	8	L456	B	01.0503	4210	21002	10022099	258
014.151-010	SALES ENGINEER, MARINE EQUIPMENT	5	5	5	8	L456	I		4210	21007	10021200	258
163.117-010	MANAGER, CONTRACTS	5	5	5	7	S5	I	06.1401 08.1204	1449	19000	20061699	033
189.117-018	MANAGER, CUSTOMER TECHNICAL SERVICES	5	4	4	8	S5	I	06.1401 06.1402	1250	19000	20061699	013
250.357-022	SALES REPRESENTATIVE	3	3	3	5	L5	I	08.0706	4152	71900	30001899	257
251.357-010	SALES AGENT, BUSINESS SERVICES	4	3	4	5	L56	B	08.0706 08.0203 08.0405 08.0905	4152	71900	30001899	257
259.257-014	SALES REPRESENTATIVE, ELECTROPLATING	5	4	4	7	L56	I	08.0706	4239	71998	30001808	259

*** PROGRAM: 08.0702 INDUSTRIAL SALES. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
261.357-010	SALES REPRESENTATIVE, APPAREL TRIMMINGS	4	3	4	5	L5	I	08.0706 08.0102 08.0707 20.0306	4243	71999	30001807	259
261.357-014	SALES REPRESENTATIVE, CANVAS PRODUCTS	4	3	4	6	L5	B	08.0706 08.0904	4249	71999	30001807	259
261.357-018	SALES REPRESENTATIVE, FOOTWEAR	4	3	4	6	L5	I	08.0706 08.0104	4351	71999	30001807	265
261.357-022	SALES REPRESENTATIVE, MEN'S AND BOYS' AP	4	3	4	6	L5	I	08.0706 08.0102 20.0306	4243	71999	30001807	259
261.357-026	SALES REPRESENTATIVE, SAFETY APPAREL AND	4	3	4	4	L5	I	08.0706	4242	71999	30001807	259
261.357-030	SALES REPRESENTATIVE, TEXTILES	4	3	4	6	L56	I	08.0706 20.0306	4243	71999	30001807	259
261.357-034	SALES REPRESENTATIVE, UNIFORMS	4	3	4	6	L5	I	08.0706 08.0102 20.0306	4243	71999	30001807	259
261.357-038	SALES REPRESENTATIVE, WOMEN'S AND GIRLS'	4	3	4	5	L5	I	08.0706 08.0102 20.0306	4243	71999	30001807	259
262.157-010	PHARMACEUTICAL DETAILER	5	3	5	7	L5	I	08.0706	4236	71998	30001808	259
262.357-010	SALES REPRESENTATIVE, CHEMICALS AND DRUG	4	3	4	5	L5	I	08.0706 01.0503 02.0203	4237	71998	30001808	259
262.357-014	SALES REPRESENTATIVE, TOILET PREPARATION	4	3	4	5	L5	I	08.0706	4354	71999	30001807	274
269.357-010	SALES REPRESENTATIVE, FUELS	4	3	4	4	L5	I	08.0706 08.0707	4249	71998	30001808	259
269.357-014	SALES REPRESENTATIVE, PETROLEUM PRODUCTS	4	3	4	6	L5	I	08.1204	4249	71998	30001808	259
269.357-018	SALES-PROMOTION REPRESENTATIVE	4	2	3	3	L45	I	08.0706 08.0202 09.0201	4153	71999	30001807	256
270.357-010	SALES REPRESENTATIVE, HOME FURNISHINGS	4	3	4	5	L5	I	08.0706 08.0805 20.0505 20.0506	4348	71999	30001807	266
270.357-014	SALES REPRESENTATIVE, HOUSEHOLD APPLIANC	4	3	4	5	L5	I	08.0706 08.0802	4352	71999	30001807	267
271.257-010	SALES REPRESENTATIVE, COMMUNICATION EQUI	4	4	4	6	L5	I	08.0706	4234	71998	30001808	259
271.352-010	SALES REPRESENTATIVE, RADIOGRAPHIC-INSPE	4	3	4	6	L56	I	08.0706	4235	71998	30001808	259
271.352-014	SALES REPRESENTATIVE, ULTRASONIC EQUIPME	4	3	4	5	L5	I5	08.0706	4234	71998	30001808	259
271.357-010	SALES REPRESENTATIVE, ELECTRONICS PARTS	4	3	4	6	L5	I	08.0706	4352	71998	30001808	267
271.357-014	SALES REPRESENTATIVE, VIDEOTAPE	4	3	4	3	L5	I	08.0706	4352	71999	30001807	267
272.357-010	SALES REPRESENTATIVE, ANIMAL-FEED PRODUC	4	3	4	6	L5	I	08.0706 01.0304 01.0503 02.0204 08.0502	4233	71998	30001808	259

*** PROGRAM: 08.0702 INDUSTRIAL SALES. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
272.357-014	SALES REPRESENTATIVE, FARM AND GARDEN EQ	4	3	4	5	L5	I	08.0706 01.0503 08.0502 08.1202	4233	71998	30001808	259
272.357-018	SALES REPRESENTATIVE, POULTRY EQUIPMENT	4	3	4	6	M5	B	08.0706 01.0503 02.0204 02.0209 08.0502 08.1202	4233	71998	30001808	259
273.253-010	SALES REPRESENTATIVE, AIRCRAFT	5	3	4	6	L456	B6	08.0706 08.1205	4232	71998	30001808	259
273.357-010	SALES REPRESENTATIVE, AIRCRAFT EQUIPMENT	4	3	4	6	L5	I	08.0706 08.1205	4232	71998	30001808	259
273.357-018	SALES REPRESENTATIVE, BOATS AND MARINE S	4	3	4	5	L456	I	08.0706 08.1205	4344	71999	30001807	263
273.357-022	SALES REPRESENTATIVE, MOTOR VEHICLES AND	4	3	4	5	L5	I	08.0706 08.1203	4244	71999	30001807	259
273.357-026	SALES REPRESENTATIVE, RAILROAD EQUIPMENT	4	3	4	6	L5	I	08.0706	4235	71998	30001808	259
274.157-010	SALES REPRESENTATIVE, ELEVATORS, ESCALAT	5	4	4	5	L56	I	08.0706	4242	71998	30001808	259
274.257-010	SALES REPRESENTATIVE, FOUNDRY AND MACHIN	5	4	4	7	L5	I	08.0706	4235	71998	30001808	259
274.357-010	SALES REPRESENTATIVE, ABRASIVES	4	3	4	6	L5	I	08.0706	4235	71998	30001808	259
274.357-014	SALES REPRESENTATIVE, BOTTLES AND BOTTLI	4	3	4	5	L5	I	08.0706	4249	71998	30001808	259
274.357-018	SALES REPRESENTATIVE, BUILDING EQUIPMENT	4	3	4	6	L5	I	08.0706	4235	71998	30001808	259
274.357-018	SALES REPRESENTATIVE, BUILDING EQUIPMENT	4	3	4	6	L5	I	08.0803	4235	71998	30001808	259
274.357-022	SALES REPRESENTATIVE, CONSTRUCTION MACHI	4	3	4	6	L5	B	08.0706	4235	71998	30001808	259
274.357-026	SALES REPRESENTATIVE, CONTAINERS	4	3	4	5	L5	I	08.0706	4242	71999	30001807	259
274.357-030	SALES REPRESENTATIVE, DAIRY SUPPLIES	4	3	4	6	L5	I	08.0706 01.0503 08.0502	4233	71998	30001808	259
274.357-034	SALES REPRESENTATIVE, HARDWARE SUPPLIES	4	3	4	5	L5	I	08.0706 08.0806	4353	71999	30001807	268
274.357-038	SALES REPRESENTATIVE, INDUSTRIAL MACHINE	4	3	4	5	L5	I	08.0706	4235	71998	30001808	259
274.357-042	SALES REPRESENTATIVE, INDUSTRIAL RUBBER	4	3	4	6	L5	I	08.0706	4242	71999	30001807	259
274.357-046	SALES REPRESENTATIVE, LUBRICATING EQUIPM	4	3	4	5	L5	I	08.0706	4235	71998	30001808	259
274.357-050	SALES REPRESENTATIVE, MATERIAL-HANDLING	4	3	4	5	L5	I	08.0706	4235	71998	30001808	259
274.357-054	SALES REPRESENTATIVE, METALS	4	3	4	6	L5	I	08.0706	4239	71998	30001808	259
274.357-058	SALES REPRESENTATIVE, OILFIELD SUPPLIES	4	3	4	6	L5	B	08.0706	4235	71998	30001808	259
274.357-062	SALES REPRESENTATIVE, PRINTING SUPPLIES	4	3	4	5	L5	I	08.0706	4242	71998	30001808	259
274.357-066	SALES REPRESENTATIVE, TEXTILE DESIGNS	4	3	4	5	L56	I	08.0706	4242	71998	30001808	259
274.357-070	SALES REPRESENTATIVE, TEXTILE MACHINERY	4	3	4	6	L5	I	08.0706	4235	71998	30001808	259
274.357-074	SALES REPRESENTATIVE, WELDING EQUIPMENT	4	3	4	6	L5	I	08.0706	4235	71998	30001808	259
274.357-078	SALES REPRESENTATIVE, WIRE ROPE	4	3	4	6	L5	I	08.0706	4235	71998	30001808	259
275.257-010	SALES REPRESENTATIVE, COMPUTERS AND EDP	5	4	4	6	L5	I	08.0706 08.0807	4242	71998	30001808	259
275.357-010	SALES REPRESENTATIVE, BARBER AND BEAUTY	4	3	4	5	L5	I	08.0706	4354	71999	30001807	274
275.357-014	SALES REPRESENTATIVE, CHURCH FURNITURE A	4	3	4	5	L5	I	08.0706 08.0805	4242	71999	30001807	259

*** PROGRAM: 08.0702 INDUSTRIAL SALES. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
275.357-018	SALES REPRESENTATIVE, COMMERCIAL EQUIPME	4	3	4	4	L5	I	08.0706 08.0807	4242	71999	30001807	259
275.357-022	SALES REPRESENTATIVE, CORDAGE	4	3	4	5	L5	I	08.0706 01.0603	4242	71999	30001807	259
275.357-026	SALES REPRESENTATIVE, HOTEL AND RESTAURA	4	3	4	6	L5	I	08.0706	4242	71999	30001807	259
275.357-030	SALES REPRESENTATIVE, MORTICIAN SUPPLIES	4	3	4	6	L5	I	08.0706	4242	71999	30001807	259
275.357-034	SALES REPRESENTATIVE, OFFICE MACHINES	4	3	4	5	M5	I	08.0706 08.0807	4242	71999	30001807	259
275.357-038	SALES REPRESENTATIVE, PRESSURE-SENSITIVE	4	3	4	4	L5	I	08.0706 08.0807	4245	71999	30001807	259
275.357-042	SALES REPRESENTATIVE, SCHOOL EQUIPMENT A	4	3	4	5	L5	I	08.0706	4242	71999	30001807	259
275.357-046	SALES REPRESENTATIVE, SHOE LEATHER AND F	4	3	4	5	L5	I	08.0706	4242	71999	30001807	259
275.357-050	SALES REPRESENTATIVE, VENDING AND COIN M	4	3	4	5	L5	I	08.0706 08.0905	4249	71999	30001807	259
276.257-010	SALES REPRESENTATIVE, DENTAL AND MEDICAL	4	3	4	6	L5	I	08.0706	4236	71998	30001808	259
276.257-014	SALES REPRESENTATIVE, WEIGHING AND FORCE	5	4	5	6	S5	I	08.0706	4242	71998	30001808	259
276.357-010	SALES REPRESENTATIVE, ARCHITECTURAL AND	4	3	4	6	L45	I	08.0706	4242	71999	30001807	259
276.357-014	SALES REPRESENTATIVE, PRECISION INSTRUME	4	3	4	6	L5	I	08.0706	4242	71998	30001808	259
276.357-018	SALES REPRESENTATIVE, VETERINARIAN SUPPL	4	3	4	6	L5	I	08.0706	4236	71998	30001808	259
277.357-010	SALES REPRESENTATIVE, HOBBIES AND CRAFTS	4	3	4	5	L5	I	08.0706 08.0904	4249	71999	30001807	259
277.357-014	SALES REPRESENTATIVE, MUSICAL INSTRUMENT	4	3	4	6	L45	I	08.0706	4343	71999	30001807	267
277.357-018	SALES REPRESENTATIVE, NOVELTIES	4	3	4	4	L5	I	08.0706 08.0904	4249	71999	30001807	259
277.357-022	SALES REPRESENTATIVE, PUBLICATIONS	4	3	4	5	L5	I	08.0706	4249	71999	30001807	259
277.357-026	SALES REPRESENTATIVE, RECREATION AND SPO	4	3	4	5	L5	I	08.0706 08.0904	4345	71999	30001807	274
277.357-030	SALES REPRESENTATIVE, WRITING AND MARKIN	4	3	4	3	L5	I	08.0706 08.0807	4249	71999	30001807	259
279.157-010	MANUFACTURERS' REPRESENTATIVE	4	3	4	6	L45	I	08.0706 08.0707	4249	71998	30001808	259
279.357-014	SALES REPRESENTATIVE, GENERAL MERCHANDIS	4	3	4	5	L5	I	08.0706 08.0707	4249	71999	30001807	259
279.357-018	SALES REPRESENTATIVE, JEWELRY	4	3	4	6	L5	I	08.0706 08.0105	4356	71999	30001807	274
279.357-022	SALES REPRESENTATIVE, LEATHER GOODS	4	3	4	5	L5	I	08.0706	4249	71999	30001807	259
279.357-026	SALES REPRESENTATIVE, PAPER AND PAPER PR	4	3	4	5	L5	I	08.0706 08.0807	4245	71999	30001807	259
279.357-030	SALES REPRESENTATIVE, PLASTIC PRODUCTS	4	3	4	4	L5	I	08.0706	4249	71999	30001807	259
291.357-010	SALES REPRESENTATIVE, DOOR-TO-DOOR	3	2	3	2	L5	B	08.0706 08.0705	4366	71999	30001807	277
299.137-014	SALES SUPERVISOR, MALT LIQUORS	4	3	4	5	L5	I	06.1401 08.0605	4020	19000	20061699	243
299.167-010	CIRCULATION-SALES REPRESENTATIVE	4	3	4	6	L5	I	08.0706 08.0203	4249	79000	30001899	259

PROGRAM: 08.0703 INTERNATIONAL MARKETING.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO PERFORM MARKETING ACTIVITIES IN ENTERPRISES PRIMARILY ENGAGED IN EXPORTING OR IMPORTING INDUSTRIAL AND CONSUMER GOODS IN WORLD MARKETS, WITH PARTICULAR EMPHASIS GIVEN TO TRADE CONTROLS, FOREIGN TRADE OPERATIONS, LOCATING MARKETS, NEGOTIATION PRACTICES, MONETARY ISSUES, AND INTERNATIONAL PUBLIC RELATIONS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION		GED			S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
CODE	TITLE	R	M	L								
162.157-018	BUYER	4	3	4	6	L456	I	01.0503 04.0501 08.0704 08.0705 08.0707 08.0904 20.0306 20.0308 20.0505	1442	25301	10240804	029
162.167-018	CLEAN-RICE BROKER	5	5	5	7	S5	I	08.0706 01.0503 08.0707	1443	71900	30001899	028
163.117-014	MANAGER, EXPORT	5	5	5	8	S5	I	06.1401	1250	19000	20061699	013
168.267-018	CUSTOMS IMPORT SPECIALIST	5	3	5	8	L46	I	06.1401	1473	10001	20040800	036
184.117-022	IMPORT-EXPORT AGENT	5	4	5	7	S5	I	06.1401	1342	19000	20061699	019
185.157-018	WHOLESALER 2	5	4	5	7	S5	I	06.1401	4020	10048	20061615	243
185.157-018	WHOLESALER 2	5	4	5	7	S5	I	08.0707	4020	10048	20061615	243
186.117-018	CUSTOMS-HOUSE BROKER	5	4	5	8	S45	I	06.1401	1390	19000	20061699	019
186.167-014	FOREIGN-EXCHANGE TRADER	5	4	4	8	S4	I	08.0402	1419	29000	10243899	025
187.167-170	MANAGER, WORLD TRADE AND MARITIME DIVISI	5	4	5	7	S5	I	06.1401	1354	19000	20061699	019
211.362-014	FOREIGN BANKNOTE TELLER-TRADER	4	4	4	5	L45	I	07.0205	4364	61382	40060203	276
214.467-010	FOREIGN CLERK	4	4	3	5	S46	I	07.0104	4716	61301	40060601	343
216.362-018	EXCHANGE CLERK	4	3	3	4	S45	I	07.0205 08.0402	4791	61382	40060203	383

PROGRAM: 08.0704 PURCHASING.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO UNDERTAKE RESPONSIBILITY FOR PURCHASING MACHINERY, RAW MATERIALS, AND PRODUCTS COMPONENTS FOR MANUFACTURING FIRMS: OFFICE SUPPLIES, FURNITURE, AND BUSINESS MACHINES FOR A PLACE OF BUSINESS; OR THE SUPPLIES AND EQUIPMENT NEEDED TO CONDUCT A RETAIL OR SERVICE BUSINESS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION		GED			S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
CODE	TITLE	R	M	L								
162.117-010	CHRISTMAS-TREE CONTRACTOR	5	3	5	7	L5	B	01.0503 03.0402	1443	25301	10240804	028
162.117-014	CONTRACT ADMINISTRATOR	5	3	5	8	S5	I		1370	25551	10243825	019
162.117-018	CONTRACT SPECIALIST	5	3	4	8	S5	I		1449	25300	10240801	033
162.117-022	FIELD CONTRACTOR	5	3	5	7	L5	B	01.0503	1449	25300	10240801	033
162.117-026	FIELD-CONTACT TECHNICIAN	5	3	5	7	L5	B	01.0302 01.0503 02.0206	1449	25300	10240801	033

*** PROGRAM: 08.0704 PURCHASING. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES CODE	FOURTH EDITION TITLE	GED			SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
		R	M	L								
162.157-010	BROKER-AND-MARKET OPERATOR, GRAIN	5	4	4	7	S5	I	01.0503 08.0406 08.0707	1443	25300	10240801	028
162.157-018	BUYER	4	3	4	6	L456	I	01.0503 04.0501 08.0703 08.0705 08.0707 08.0904 20.0306 20.0308 20.0505	1442	25301	10240804	029
162.157-022	BUYER, ASSISTANT	4	3	3	6	L5	I	01.0503 04.0501 08.0705 08.0904 20.0306 20.0308 20.0505	1442	25301	10240804	029
162.157-030	OUTSIDE PROPERTY AGENT	4	4	4	7	S56	I		1449	59001	50144899	033
162.157-034	PROCUREMENT ENGINEER	5	5	5	7	S5	I		1449	25300	10240801	033
162.157-038	PURCHASING AGENT	4	3	4	7	S5	I	01.0503 08.0102 20.0405 20.0406	1449	25414	10240803	033
162.167-022	MANAGER, PROCUREMENT SERVICES	4	4	4	7	S5	I	06.1401 06.0404	1240	19000	20061699	009
162.167-030	PURCHASE-PRICE ANALYST	5	5	4	7	S56	I		1449	25300	10240801	033

PROGRAM: 08.0705 RETAILING.
---------- AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO APPLY MARKETING SKILLS IN RETAIL ESTABLISHMENTS OR TO ADVANCE TO MORE SPECIALIZED TRAINING IN MARKETING.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
162.157-018	BUYER	4 3 4	6	L456	I	01.0503 04.0501 08.0703 08.0704 08.0707 08.0904 20.0306 20.0308 20.0505	1442	25301	10240804	029
162.157-022	BUYER, ASSISTANT	4 3 3	6	L5	I	01.0503 04.0501 08.0704 08.0904 20.0306 20.0308 20.0505	1442	25301	10240804	029
185.117-010	MANAGER, DEPARTMENT STORE	5 4 5	8	S45	I	06.1401	1210	10035	20061612	019
185.167-034	MANAGER, MERCHANDISE	4 3 4	7	S45	I	06.1401 08.0707	1240	10032	20020800	009
185.167-038	MANAGER, PARTS	4 3 3	7	L56	I	06.1401 08.0707 08.1203	4030	10047	20061614	243
185.167-046	MANAGER, RETAIL STORE	4 4 3	7	L45	I	06.1401 08.0602 08.0603 08.0604 08.0904	4030	10035	20061612	243
185.167-062	SUPERVISOR, LIQUOR STORES AND AGENCIES	5 4 4	8	S56	I	06.1401	1139	19000	20061699	005
185.167-066	VENDING-STAND SUPERVISOR	5 4 4	7	L56	I	08.0706	4030	72007	30001806	243
187.161-014	MANAGER, HANDICRAFT-OR-HOBBY SHOP	4 4 4	7	L456	I5	06.1401 06.0702	2390	19000	20061699	159
189.167-014	DIRECTOR, SERVICE	5 4 4	7	S5	I	06.1401 07.0401	1390	19000	20061699	019
189.167-018	MANAGEMENT TRAINEE	4 4 4	6	L56	I	06.1401 07.0401	1390	19000	20061699	019
189.167-022	MANAGER, DEPARTMENT	4 4 4	7	S5	I	06.1401 07.0401	1370	19000	20061699	019

*** PROGRAM: 08.0705 RETAILING. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES CODE	FOURTH EDITION TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
205.367-014	CHARGE-ACCOUNT CLERK	3	2	3	2	S5	I	07.0204	4642	61900	40066898	316
								08.0403				
209.137-026	SUPERVISOR, MARKING ROOM	3	2	3	6	L45	I	07.0401	4525	61396	40061200	307
209.587-034	MARKER	2	1	1	2	L46	I		4759	62024	40066899	374
209.587-042	RETURN-TO-FACTORY CLERK	3	2	2	3	L4	I	07.0705	4699	61355	40065402	336
211.362-010	CASHIER 1	4	3	3	5	S456	I	07.0205	4364	61314	40060800	276
								08.0904				
211.462-010	CASHIER 2	3	3	2	2	S456	I	08.0602	4364	61314	40060800	276
								08.0603				
								08.0707				
								20.0406				
211.462-014	CASHIER-CHECKER	3	2	2	3	L456	I	08.0602	4364	61314	40060800	276
								08.0603				
								08.0604				
211.462-018	CASHIER-WRAPPER	3	2	2	3	L46	I	08.0102	4364	61314	40060800	276
								08.0104				
211.467-010	CASHIER, COURTESY BOOTH	3	3	3	4	L45	I		4364	61314	40060800	276
211.482-010	CASHIER, TUBE ROOM	3	2	2	3	S46	I	07.0205	4364	61314	40060800	276
219.367-018	MERCHANDISE DISTRIBUTOR	3	2	2	3	L46	I	07.0708	4754	62008	40065404	365
219.367-034	STOCK-CONTROL CLERK	4	3	3	5	L46	I	07.0708	4754	62008	40065404	365
								08.0904				
222.487-014	ORDER FILLER	3	2	2	3	L4	I	07.0708	4754	55C08	80002001	365
222.687-018	RECEIVING CHECKER	3	2	3	3	M34	I	07.0708	4756	62005	40065001	368
222.687-026	SAMPLE-DISPLAY PREPARER	3	2	2	3	L4[illegible]	I	08.0104	4754	61350	40061604	365
241.367-010	COLLECTOR	3	3	3	4	L5	B	07.0202	4786	61319	40061400	378
241.367-014	CUSTOMER-COMPLAINT CLERK	4	3	4	5	S56	I	07.0703	4783	61313	40062208	376
260.357-026	SALESPERSON, FLOWERS	4	3	3	4	L456	I4	08.0706	4359	71999	30001807	274
								01.0603				
								08.0503				
								20.0504				
261.351-010	SALESPERSON, WIGS	3	3	3	4	L456	I	08.0706	4354	71900	30001899	274
										71999	30001807	
								08.0102	4354	71900	30001899	
										71999	30001807	
								12.0403	4354	71900	30001899	
										71999	30001807	
261.354-010	SALESPERSON, CORSETS	4	3	4	5	L45	I	08.0706	4346	72002	30001802	264
								08.0102				
								20.0306				
261.357-042	SALESPERSON, FURS	4	3	4	5	L456	I	08.0706	4346	71999	30001807	264
								08.0102				
								20.0306				
261.357-046	SALESPERSON, INFANTS' AND CHILDREN'S WEA	4	3	4	3	L45	I	08.0706	4346	72002	30001802	264
								08.0102				
								20.0306				
261.357-050	SALESPERSON, MEN'S AND BOYS' CLOTHING	4	3	4	5	L456	I	08.0706	4346	71999	30001807	264
								08.0102				
								20.0306				

*** PROGRAM: 08.0705 RETAILING. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
261.357-054	SALESPERSON, MEN'S FURNISHINGS	4	3	4	4	L456	I	08.0706 08.0102 20.0306	4346	71999	30001807	264
261.357-058	SALESPERSON, MILLINERY	4	3	4	3	L456	I	08.0706 08.0102 20.0306	4346	72002	30001802	264
261.357-062	SALESPERSON, SHOES	4	3	4	3	L3456	I	08.0706 08.0104	4351	72002	30001802	265
261.357-066	SALESPERSON, WOMEN'S APPAREL AND ACCESSO	4	3	4	3	L456	I	08.0706 08.0102 20.0306	4346	72002	30001802	264
261.357-070	SALESPERSON, YARD GOODS	4	3	4	3	L456	I7	08.0706 20.0306 20.0505	4359	72002	30001802	274
262.357-018	SALESPERSON, COSMETICS AND TOILETRIES	3	3	3	4	L456	I	08.0706	4354	71999	30001807	274
270.352-010	SALESPERSON, SEWING MACHINES	4	3	4	6	M45	I	08.0706 08.0802	4352	71999	30001807	267
270.357-018	SALESPERSON, CHINA AND SILVERWARE	4	3	4	4	L45	I	08.0706 08.0808 20.0505 20.0506	4348	71999	30001807	266
270.357-022	SALESPERSON, CURTAINS AND DRAPERIES	4	3	4	4	L456	I	08.0706 08.0804 20.0502 20.0505 20.0506	4348	71999	30001807	266
270.357-026	SALESPERSON, FLOOR COVERINGS	4	3	4	4	L3456	I	08.0706 08.0804 20.0505 20.0506	4348	71999	30001807	266
270.357-030	SALESPERSON, FURNITURE	4	3	4	4	L456	I	08.0706 08.0805 20.0505 20.0506	4348	71999	30001807	266
270.357-034	SALESPERSON, HOUSEHOLD APPLIANCES	4	3	4	4	L456	I	08.0706 08.0802 20.0505 20.0507	4352	71999	30001807	267
270.357-038	SALESPERSON, STEREO EQUIPMENT	4	3	4	4	M456	I	08.0706 08.0808	4234	71998	30001808	259
271.354-010	SALESPERSON, ELECTRIC MOTORS	4	3	4	6	L456	I	08.0706	4242	71998	30001808	259
272.357-022	SALESPERSON, HORTICULTURAL AND NURSERY P	4	3	4	4	L45	I	08.0706 01.0503 01.0604 01.0606 02.0404 08.0502 08.0503	4353	71999	30001807	268

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
273.353-010	SALESPERSON, AUTOMOBILES	4 3 4	5	L45	B	08.0706 08.1203	4342	71999	30001807	263
273.357-030	SALESPERSON, AUTOMOBILE ACCESSORIES	4 3 4	4	L5	I	08.0706 08.1203 08.1206	4342	71999	30001807	263
273.357-034	SALESPERSON, TRAILERS AND MOTOR HOMES	4 3 4	5	L5	B	08.0706 08.1203 08.1205	4342	71999	30001807	263
275.357-054	SALESPERSON, FLORIST SUPPLIES	4 3 4	4	L5	I	08.0706 08.0503	4242	71999	30001807	259
276.257-018	SALESPERSON, ORTHOPEDIC SHOES	4 3 4	6	L345	I	08.0706 08.0104	4351	71999	30001807	265
276.257-022	SALESPERSON, SURGICAL APPLIANCES	5 3 4	6	L345	I	08.0706	4236	71998	30001808	259
276.354-010	SALESPERSON, HEARING AIDS	4 3 4	5	L456	I	08.0706	4359	71999	30001807	274
277.354-010	SALESPERSON, PIANOS AND ORGANS	4 3 4	6	L45	I	08.0706 08.0808	4343	71999	30001807	267
277.357-034	SALESPERSON, BOOKS	4 3 4	4	L45	I	08.0706	4347	71999	30001807	274
277.357-038	SALESPERSON, MUSICAL INSTRUMENTS AND ACC	4 3 4	6	L45	I	08.0706	4343	71999	30001807	267
277.357-042	SALESPERSON, PETS AND PET SUPPLIES	4 3 4	4	L45	I	08.0706 01.0503 01.0504	4359	71999	30001807	274
277.357-046	SALESPERSON, PHONOGRAPH RECORDS AND TAPE	3 3 3	3	L45	I	08.0706	4343	72002	30001802	267
277.357-050	SALESPERSON, PHOTOGRAPHIC SUPPLIES AND E	4 3 4	5	L45	I	08.0706	4359	71998	30001808	274
277.357-054	SALESPERSON, SHEET MUSIC	4 3 4	5	L45	I	08.0706	4343	71999	30001807	267
277.357-058	SALESPERSON, SPORTING GOODS	4 3 4	5	L45	I	08.0706 08.0904	4345	71999	30001807	274
277.357-062	SALESPERSON, STAMPS OR COINS	4 3 4	5	L456	I	08.0706	4347	71999	30001807	274
277.357-066	SALESPERSON, TOY TRAINS AND ACCESSORIES	4 3 4	3	L45	I	08.0706	4359	71999	30001807	274
277.457-010	SALESPERSON, ART OBJECTS	3 2 3	4	L45	I	08.0706 08.0808	4359	71999	30001807	274
279.357-010	SALES EXHIBITOR	3 2 3	3	L45	I	08.0706	4450	79000	30001899	283
279.357-038	SALESPERSON-DEMONSTRATOR, PARTY PLAN	4 3 4	4	L45	I	08.0706 08.0808	4366	71999	30001807	277
279.357-042	SALESPERSON, BURIAL NEEDS	4 3 4	5	L5	I	08.0706	4369	71999	30001807	274
279.357-046	SALESPERSON, FLYING SQUAD	4 3 4	6	L45	I	08.0706	4359	71900	30001899	274
279.357-050	SALESPERSON, GENERAL HARDWARE	4 3 4	4	L45	I	08.0706 08.0803 08.0806	4353	71999	30001807	268
279.357-054	SALESPERSON, GENERAL MERCHANDISE	4 3 4	4	L45	I	08.0706	4359	72002	30001802	274
279.357-058	SALESPERSON, JEWELRY	4 3 4	5	L456	I	08.0706 08.0105	4356	71999	30001807	274
279.357-062	SALESPERSON, PARTS	4 3 4	6	L456	I	08.0706 01.0503 08.1203 08.1206	4367	71999	30001807	269
290.477-010	COUPON-REDEMPTION CLERK	3 2 2	2	L456	I	08.0706	4362	72002	30001802	274
290.477-014	SALES CLERK	3 3 2	3	L45	I	08.0706	4362	72002	30001802	274

*** PROGRAM: 08.0705 RETAILING. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION		GED			S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	D E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
CODE	TITLE	R	M	L								
290.477-018	SALES CLERK, FOOD	3	3	2	3	L45	I	08.0706 08.0602 08.0603 08.0604	4362	72002	30001802	274
291.157-010	SUBSCRIPTION CREW LEADER	3	2	3	5	L5	I	08.0706	4030	79000	30001899	243
291.357-010	SALES REPRESENTATIVE, DOOR-TO-DOOR	3	2	3	2	L5	B	08.0706 08.0702	4366	71999	30001807	277
296.357-010	PERSONAL SHOPPER	4	3	3	5	L5	I	08.0706 20.0306 20.0603	4460	79000	30001899	285
297.354-010	DEMONSTRATOR	3	3	3	3	L45	I	08.0706 20.0306 20.0507 20.0603	4450	72004	30001899	283
299.137-010	MANAGER, DEPARTMENT	4	3	4	6	L5	I	06.1401	4030	19000	20061699	243
299.357-018	WEDDING CONSULTANT	4	3	4	6	L456	I	08.0706 08.0102 20.0308	4490	71999	30001807	285
299.364-014	GIFT WRAPPER	3	2	1	3	L4	I	08.0706	4490	79000	30001899	285
299.367-010	CUSTOMER-SERVICE CLERK	3	3	3	4	L45	I	08.0706	4758	79000	30001899	373
299.367-014	STOCK CLERK, SELF-SERVICE STORE	3	2	2	4	M346	I	08.0602	4362	55D74	80002003	274
299.467-010	LAYAWAY CLERK	3	3	3	3	L45	I		4362	61324	40066898	274
299.477-010	DELIVERER, MERCHANDISE	2	2	2	2	M234	B		4490	55A87	62000801	285
299.677-010	SALES ATTENDANT	3	1	2	2	M345	I	08.0706	4362	72002	30001802	274
369.367-010	FUR-STORAGE CLERK	4	3	3	6	L4	I		4363	61324	40066898	275
922.684-010	LOCKER-PLANT ATTENDANT	3	1	2	4	M46	I2	08.0707	8761	55T42	80002899	888
929.137-030	YARD SUPERVISOR, BUILDING MATERIALS OR L	4	4	3	7	M456	O	08.0707 08.0803	7100	55B29	50040003	633

PROGRAM: 08.0706 SALES.

------ AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO APPLY MARKETING SKILLS IN A SELLING CAPACITY IN ANY INDUSTRY OR TO ADVANCE TO MORE SPECIALIZED TRAINING IN MARKETING.

SALES OCCUPATIONS IDENTIFIED IN OTHER MARKETING AND DISTRIBUTION PROGRAMS ARE APPROPRIATE FOR THIS INSTRUCTIONAL PROGRAM.

PROGRAM: 08.0707 WHOLESALING.
------------ AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO APPLY MARKETING SKILLS IN WHOLESALE ESTABLISHMENTS OR TO ADVANCE TO MORE SPECIALIZED TRAINING IN MARKETING.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
162.157-010	BROKER-AND-MARKET OPERATOR, GRAIN	5	4	4	7	S5	I	01.0503 08.0406 08.0704	1443	25300	10240801	028
162.157-018	BUYER	4	3	4	6	L456	I	01.0503 04.0501 08.0703 08.0704 08.0705 08.0904 20.0306 20.0308 20.0505	1442	25301	10240804	029
162.157-026	COMMISSION AGENT, LIVESTOCK	4	3	4	6	L56	I	08.0706 01.0503 02.0208 08.0605	4246	71999	30001807	259
162.167-010	BUYER, GRAIN	5	3	4	8	L5	I7	01.0503	1443	25300	10240801	028
162.167-014	BUYER, TOBACCO, HEAD	4	3	4	7	L456	I	01.0503	1443	25300	10240801	028
162.167-018	CLEAN-RICE BROKER	5	5	5	7	S5	I	08.0706 01.0503 08.0703	1443	71900	30001899	028
163.167-018	MANAGER, SALES	5	3	5	8	S5	I	06.1401	1250	19000	20061699	013
185.157-018	WHOLESALER 2	5	4	5	7	S5	I	06.1401 08.0703	4020	10048	20061615	243
185.167-018	MANAGER, DISTRIBUTION WAREHOUSE	5	3	4	6	S45	I	06.1401 08.1106	4020	19000	20061699	243
185.167-030	MANAGER, MEAT SALES AND STORAGE	4	3	3	6	M456	I2	06.1401 08.0603 08.0605	4020	19000	20061699	243
185.167-034	MANAGER, MERCHANDISE	4	3	4	7	S45	I	06.1401 08.0705	1240	10032	20020800	009
185.167-038	MANAGER, PARTS	4	3	3	7	L56	I	06.1401 08.0705 08.1203	4030	10047	20061614	243
185.167-050	MANAGER, TEXTILE CONVERSION	4	4	4	6	L456	I	06.1401 08.0203	4020	19000	20061699	243
185.167-054	MANAGER, TOBACCO WAREHOUSE	4	3	3	8	L45	I	06.1401 08.1106	4020	19000	20061699	243
185.167-070	WHOLESALER 1	5	5	4	8	S45	B	06.1401 08.0605	4020	10048	20061615	243
186.167-042	MANAGER, MARKET	4	3	3	7	S5	I	06.1401 08.0605	1353	19000	20061699	016
211.462-010	CASHIER 2	3	3	2	2	S456	I	08.0602 08.0603 08.0705 20.0406	4364	61314	40060800	276

*** PROGRAM: 08.0707 WHOLESALING. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
249.367-054	ORDER CLERK	3	3	3	4	S5	I	07.0706	4664	61350	40061604	327
260.357-010	COMMISSION AGENT, AGRICULTURAL PRODUCE	4	3	4	6	S5	I	08.0706 01.0503 08.0605	4246	71999	30001807	259
261.357-010	SALES REPRESENTATIVE, APPAREL TRIMMINGS	4	3	4	5	L5	I	08.0706 08.0102 08.0702 20.0306	4243	71999	30001807	259
269.357-010	SALES REPRESENTATIVE, FUELS	4	3	4	4	L5	I	08.0706 08.0702	4249	71998	30001808	259
279.157-010	MANUFACTURERS' REPRESENTATIVE	4	3	4	6	L45	I	08.0706 08.0702	4249	71998	30001808	259
279.357-014	SALES REPRESENTATIVE, GENERAL MERCHANDIS	4	3	4	5	L5	I	08.0706 08.0702	4249	71999	30001807	259
920.137-010	PACKING-HOUSE SUPERVISOR	4	3	3	6	L456	I	01.0402	7100	55B29	50040003	633
922.684-010	LOCKER-PLANT ATTENDANT	3	1	2	4	M46	I2	08.0705	8761	55T42	80002899	888
929.137-030	YARD SUPERVISOR, BUILDING MATERIALS OR L	4	4	3	7	M456	O	08.0705 08.0803	7100	55B29	50040003	633

PROGRAM: 08.0799 GENERAL MARKETING, OTHER.

ANY INSTRUCTIONAL PROGRAM IN GENERAL MARKETING NOT DESCRIBED ABOVE.

PROGRAM: 08.0800 HOME AND OFFICE PRODUCTS MARKETING.

A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS TO PERFORM MARKETING FUNCTIONS AND TASKS IN RETAIL ESTABLISHMENTS, WHOLESALE ESTABLISHMENTS, AND MANUFACTURING FIRMS DEALING WITH HARDWARE AND BUILDING MATERIALS, PRODUCTS AND EQUIPMENT PRIMARILY USED FOR FURNISHING AND MAINTAINING THE HOME OR PRODUCTS, EQUIPMENT, AND SUPPLIES USED IN PUBLIC AND PRIVATE BUSINESS OFFICE OPERATIONS.

PROGRAM: 08.0801 HOME AND OFFICE PRODUCTS MARKETING, GENERAL.

AN INSTRUCTIONAL PROGRAM THAT GENERALLY PREPARES INDIVIDUALS TO PERFORM MARKETING FUNCTIONS AND TASKS IN RETAIL ESTABLISHMENTS, WHOLESALE ESTABLISHMENTS, AND MANUFACTURING FIRMS DEALING WITH HARDWARE AND BUILDING MATERIALS PRODUCTS AND EQUIPMENT PRIMARILY USED FOR FURNISHING AND MAINTAINING THE HOME OR PRODUCTS, EQUIPMENT, AND SUPPLIES USED IN PUBLIC AND PRIVATE BUSINESS OFFICE OPERATIONS.

PROGRAM: 08.0802 APPLIANCE MARKETING.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO UNDERTAKE THE RESPONSIBILITIES ASSOCIATED WITH SELLING AND MARKETING REFRIGERATORS, FREEZERS, LAUNDRY EQUIPMENT, STOVES, AND OTHER ELECTRICAL OR GAS APPLIANCES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
270.352-010	SALESPERSON, SEWING MACHINES	4	3	4	6	M45	I	08.0706 08.0705	4352	71999	30001807	267
270.357-014	SALES REPRESENTATIVE, HOUSEHOLD APPLIANC	4	3	4	5	L5	I	08.0706 08.0702	4352	71999	30001807	267
270.357-034	SALESPERSON, HOUSEHOLD APPLIANCES	4	3	4	4	L456	I	08.0706 08.0705 20.0505 20.0507	4352	71999	30001807	267
297.357-010	DEMONSTRATOR, ELECTRIC-GAS APPLIANCES	5	3	5	6	L5	I	08.0706 08.0202 20.0507	4450	72004	30001899	283

PROGRAM: 08.0803 BUILDING MATERIALS MARKETING.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO PERFORM MARKETING ACTIVITIES PRIMARILY ASSOCIATED WITH THE MARKETING OF LUMBER AND A GENERAL LINE OF BUILDING MATERIALS SUCH AS MILLWORK, ROOFING, WALLBOARD, BRICKS, AND CEMENT; HEATING AND AIR-CONDITIONING EQUIPMENT; OR ELECTRICAL PRODUCTS AND SUPPLIES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
274.357-018	SALES REPRESENTATIVE, BUILDING EQUIPMENT	4	3	4	6	L5	I	08.0706 08.0702	4235	71998	30001808	259
279.357-050	SALESPERSON, GENERAL HARDWARE	4	3	4	4	L45	I	08.0706 08.0705 08.0806	4353	71999	30001807	268
929.137-030	YARD SUPERVISOR, BUILDING MATERIALS OR L	4	4	3	7	M456	O	08.0705 08.0707	7100	55B29	50040003	633

PROGRAM: 08.0804 FLOOR COVERINGS, DRAPERIES AND UPHOLSTERY MARKETING. AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO UNDERTAKE THE RESPONSIBILITIES ASSOCIATED WITH SELLING AND MARKETING FLOOR COVERINGS, DRAPERIES, AND UPHOLSTERY SERVICES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
259.357-026	SALES REPRESENTATIVE, UPHOLSTERY AND FUR	4	3	3	5	L56	I	08.0706 20.0503	4348	71900	30001899	266
270.357-022	SALESPERSON, CURTAINS AND DRAPERIES	4	3	4	4	L456	I	08.0706 08.0705 20.0502 20.0505 20.0506	4348	71999	30001807	266
270.357-026	SALESPERSON, FLOOR COVERINGS	4	3	4	4	L3456	I	08.0706 08.0705 20.0505 20.0506	4348	71999	30001807	266
299.364-010	DRAPERY AND UPHOLSTERY MEASURER	3	3	2	6	L456	I	20.0502 20.0503 20.0506 48.0303	4490	55D71	61089221	285
299.387-010	DRAPERY AND UPHOLSTERY ESTIMATOR	3	3	2	5	S4	I	20.0502 20.0503 20.0506 48.0303	4490	55D71	61089221	285

PROGRAM: 08.0805 FURNITURE MARKETING. AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO UNDERTAKE THE RESPONSIBILITIES ASSOCIATED WITH THE MARKETING OF FURNITURE AND SPECIALIZED CONSULTING SERVICES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
270.357-010	SALES REPRESENTATIVE, HOME FURNISHINGS	4	3	4	5	L5	I	08.0706 08.0702 20.0505 20.0506	4348	71999	30001807	266
270.357-030	SALESPERSON, FURNITURE	4	3	4	4	L456	I	08.0706 08.0705 20.0505 20.0506	4348	71999	30001807	266
275.357-014	SALES REPRESENTATIVE, CHURCH FURNITURE A	4	3	4	5	L5	I	08.0706 08.0702	4242	71999	30001807	259

646 647

PROGRAM: 08.0806 HARDWARE MARKETING.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO PERFORM MARKETING ACTIVITIES PRIMARILY ASSOCIATED WITH THE MARKETING OF A NUMBER OF BASIC HARDWARE LINES SUCH AS TOOLS, BUILDERS' HARDWARE, PAINT AND GLASS, WALLCOVERINGS, AND RELATED ITEMS.

DICTIONARY OF OCCUPATIONAL TITLES CODE	FOURTH EDITION TITLE	GED R M L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
274.357-034	SALES REPRESENTATIVE, HARDWARE SUPPLIES	4 3 4	5	L5	I	08.0706 08.0702	4353	71999	30001807	268
279.357-050	SALESPERSON, GENERAL HARDWARE	4 3 4	4	L45	I	08.0706 08.0705 08.0803	4353	71999	30001807	268

PROGRAM: 08.0807 OFFICE PRODUCTS AND EQUIPMENT MARKETING.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO MARKET A GENERAL LINE OF OFFICE PRODUCTS AND SUPPLIES OR A SPECIALTY LINE OF OFFICE FURNITURE OR OFFICE EQUIPMENT SUCH AS TYPEWRITERS, DATA PROCESSING EQUIPMENT, AND DUPLICATING EQUIPMENT.

DICTIONARY OF OCCUPATIONAL TITLES CODE	FOURTH EDITION TITLE	GED R M L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
275.257-010	SALES REPRESENTATIVE, COMPUTERS AND EDP	5 4 4	6	L5	I	08.0706 08.0702	4242	71998	30001808	259
275.357-018	SALES REPRESENTATIVE, COMMERCIAL EQUIPME	4 3 4	4	L5	I	08.0706 08.0702	4242	71999	30001807	259
275.357-034	SALES REPRESENTATIVE, OFFICE MACHINES	4 3 4	5	M5	I	08.0706 08.0702	4242	71999	30001807	259
275.357-038	SALES REPRESENTATIVE, PRESSURE-SENSITIVE	4 3 4	4	L5	I	08.0706 08.0702	4245	71999	30001807	259
277.357-030	SALES REPRESENTATIVE, WRITING AND MARKIN	4 3 4	3	L5	I	08.0706 08.0702	4249	71999	30001807	259
279.357-026	SALES REPRESENTATIVE, PAPER AND PAPER PR	4 3 4	5	L5	I	08.0706 08.0702	4245	71999	30001807	259

PROGRAM: 08.0808 SPECIALTY HOME FURNISHINGS MARKETING.
------------------------------------ AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO UNDERTAKE THE RESPONSIBILITIES ASSOCIATED WITH SELLING AND MARKETING A SPECIALTY LINE OF HOME FURNISHINGS SUCH AS TABLEWARE, LAMPS, FIREPLACE EQUIPMENT, BEDDING, HOME-ENTERTAINMENT SYSTEMS, PIANOS, AND ANTIQUES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
270.357-018	SALESPERSON, CHINA AND SILVERWARE	4 3 4	4	L45	I	08.0706 08.0705 20.0505 20.0506	4348	71999	30001807	266
270.357-038	SALESPERSON, STEREO EQUIPMENT	4 3 4	4	M456	I	08.0706 08.0705	4234	71998	30001808	259
277.354-010	SALESPERSON, PIANOS AND ORGANS	4 3 4	6	L45	I	08.0706 08.0705	4343	71999	30001807	267
277.457-010	SALESPERSON, ART OBJECTS	3 2 3	4	L45	I	08.0706 08.0705	4359	71999	30001807	274
279.357-038	SALESPERSON-DEMONSTRATOR, PARTY PLAN	4 3 4	4	L45	I	08.0706 08.0705	4366	71999	30001807	277

PROGRAM: 08.0899 HOME AND OFFICE PRODUCTS MARKETING, OTHER.
-- ANY INSTRUCTIONAL PROGRAM IN HOME AND OFFICE PRODUCTS MARKETING NOT DESCRIBED ABOVE.

PROGRAM: 08.0900 HOSPITALITY AND RECREATION MARKETING.

A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS TO PERFORM MARKETING AND MANAGEMENT FUNCTIONS AND TASKS IN ANY BUSINESS ENTERPRISE PRIMARILY ENGAGED IN SATISFYING THE DESIRE OF PEOPLE TO MAKE PRODUCTIVE OR ENJOYABLE USE OF LEISURE TIME. THE HOSPITALITY INDUSTRY INCLUDES LODGING SERVICES AND RELATED CONVENTION SERVICES, AND FOOD AND BEVERAGE SERVICES. RECREATION INCLUDES PRODUCTS AND SERVICES RELATED TO ENTERTAINMENT, SPORTS, HOBBIES, AND CULTURAL ACTIVITIES.

PROGRAM: 08.0901 HOSPITALITY AND RECREATION MARKETING, GENERAL.

AN INSTRUCTIONAL PROGRAM THAT GENERALLY PREPARES INDIVIDUALS TO PERFORM MARKETING AND MANAGEMENT FUNCTIONS AND TASKS IN ANY BUSINESS ENTERPRISE PRIMARILY ENGAGED IN SATISFYING THE DESIRES OF PEOPLE TO MAKE PRODUCTIVE OR ENJOYABLE USE OF LEISURE TIME. THE HOSPITALITY INDUSTRY INCLUDES LODGING SERVICES AND RELATED CONVENTION SERVICES, AND FOOD AND BEVERAGE SERVICES. RECREATION INCLUDES PRODUCTS AND SERVICES RELATED TO ENTERTAINMENT, SPORTS, HOBBIES, AND CULTURAL ACTIVITIES.

PROGRAM: 08.0902 MARKETING OF HOTEL/MOTEL SERVICES.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ASSUME OPERATIONAL RESPONSIBILITIES ASSOCIATED WITH MARKETING THE SERVICES OF HOTELS AND MOTELS.

DICTIONARY OF OCCUPATIONAL TITLES CODE	FOURTH EDITION TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
163.117-018	MANAGER, PROMOTION	5	3	4	8	L5	I	06.1401 06.0701	1250	19000	20061699	013
187.117-038	MANAGER, HOTEL OR MOTEL	5	5	5	8	S5	I	06.1401 06.0701 06.0703 06.0704	1351	19000	20061699	019
187.167-062	MANAGER, BRANCH OPERATION EVALUATION	4	3	4	6	L56	I	06.1401 06.0701	1473	19000	20061699	036
187.167-078	MANAGER, CONVENTION	5	4	4	7	L5	I	06.1401 06.0701	1351	19000	20061699	019
187.167-110	MANAGER, FRONT OFFICE	4	4	4	6	L5	I	06.1401 06.0701	1351	19000	20061699	019
238.362-010	HOTEL CLERK	3	3	3	4	L5	I	07.0707	4643	61335	40061603	317
259.157-014	SALES REPRESENTATIVE, HOTEL SERVICES	4	3	4	6	S5	I	08.0706 06.0701 08.0203	4152	71900	30001899	257
320.137-010	MANAGER, BOARDING HOUSE	3	3	3	6	L45	I	06.0701	1351	44014	70200001	019
320.137-014	MANAGER, LODGING FACILITIES	4	3	4	7	L45	B	06.1401 06.0701 08.0903 49.0305	1351	19000	20061699	019
324.137-010	BAGGAGE PORTER, HEAD	3	3	3	6	L45	I		5251	44014	70200001	456
324.137-014	BELL CAPTAIN	3	2	2	6	M45	I		5251	44014	70200001	456
324.477-010	PORTER, BAGGAGE	2	2	2	2	M345	I		5262	44003	70080801	466

*** PROGRAM: 08.0902 MARKETING OF HOTEL/MOTEL SERVICES. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
324.577-010	ROOM-SERVICE CLERK	2	2	2	2	L4	I		5269	44003	70080801	469
324.677-010	BELLHOP	2	2	2	2	M45	I		5262	44003	70080801	466
324.677-014	DOORKEEPER	2	1	2	2	M45	B		5269	44003	70080801	469
329.137-010	SUPERINTENDENT, SERVICE	3	3	3	7	L5	I	06.0701 20.0605	9241	44014	70200001	448
329.467-010	ATTENDANT, LODGING FACILITIES	2	2	2	3	M345	B	20.0605	5249	49000	70200099	449
358.677-010	CHECKROOM ATTENDANT	2	2	2	2	L456	I	08.0903	5269	44079	70080618	469
915.473-010	PARKING-LOT ATTENDANT	2	1	1	2	L4	B	08.0903	8740	55C17	62001400	813

PROGRAM: 08.0903 MARKETING OF RECREATIONAL SERVICES.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO PERFORM SALES AND MARKETING TASKS IN AN ENTERPRISE WHICH CATERS TO THE RECREATIONAL NEEDS OF CONSUMERS, WITH SPECIAL EMPHASIS GIVEN TO THE TECHNICAL KNOWLEDGE ASSOCIATED WITH A PARTICULAR RECREATIONAL SERVICE FIELD.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
165.067-010	PUBLIC-RELATIONS REPRESENTATIVE	5	4	5	7	S56	I	08.0203 09.0201	3320	25472	10222000	197
187.117-054	SUPERINTENDENT, RECREATION	5	3	5	8	L56	I	06.1401 06.0702	1132	19000	20061699	005
187.137-010	RECREATION SUPERVISOR	5	3	4	8	L456	I	06.1401 06.0702 20.0607	1352	19000	20061699	019
187.167-094	MANAGER, DUDE RANCH	4	4	4	7	L456	B	06.1401 06.0702 06.0703 31.0201	1352	19000	20061699	019
187.167-102	MANAGER, FISH-AND-GAME CLUB	4	4	4	6	L5	B	06.1401 06.0702 06.0703 31.0201	1352	19000	20061699	019
187.167-114	MANAGER, GOLF CLUB	4	4	4	6	S5	I	06.1401 06.0702	1352	19000	20061699	019
187.167-118	MANAGER, GUN CLUB	4	3	4	6	L45	B	06.1401 06.0702	1352	19000	20061699	019
187.167-122	MANAGER, HOTEL RECREATIONAL FACILITIES	4	4	4	7	L456	I	06.1401 06.0701 06.0702 06.0703	1351	19000	20061699	019
187.167-146	MANAGER, SKATING RINK	4	4	4	6	L5	I	06.1401 06.0702	1352	19000	20061699	019
187.167-154	MANAGER, THEATER	4	4	4	7	L5	I	06.1401 06.0702	1352	19000	20061699	019

*** PROGRAM: 08.0903 MARKETING OF RECREATIONAL SERVICES. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
187.167-166	MANAGER, WINTER SPORTS	4	4	4	6	L5	B	06.1401	1352	19000	20061699	019
187.167-166	MANAGER, WINTER SPORTS	4	4	4	6	L5	B	06.0702 06.0703	1352	19000	20061699	019
191.117-014	BOOKING MANAGER	4	4	4	6	S5	I	06.0702	1450	61321	40066833	034
191.117-018	BUSINESS MANAGER	5	4	5	7	S5	I	08.0203	1450	29000	10243899	034
191.167-010	ADVANCE AGENT	4	4	4	7	L5	I	06.0702	1450	29000	10243899	034
211.467-030	TICKET SELLER	3	2	1	2	S456	I	08.1105	4364	61314	40060800	276
259.357-010	GROUP-SALES REPRESENTATIVE	3	2	3	3	L5	I	08.0706 08.0203 08.1104	4369	71900	30001899	274
259.357-034	TICKET BROKER	4	3	4	6	L56	I	08.0706	4369	71900	30001899	274
291.457-022	VENDOR	2	2	2	2	M45	B	08.0706	4366	72006	30001803	277
293.357-022	MEMBERSHIP SOLICITOR	4	3	4	4	L5	I	08.0706 08.0203	4450	71900	30001899	283
295.467-010	BICYCLE-RENTAL CLERK	2	2	2	2	L5	B	08.0706	4363	79000	30001899	275
295.467-014	BOAT-RENTAL CLERK	3	3	3	2	L345	04	08.0706	4363	79000	30001899	275
299.137-026	SUPERVISOR, MARINA SALES AND SERVICE	4	3	4	5	L45	B45	08.0706	4030	44014 72007	70200001 30001806	243
								08.0904	4030	44014 72007	70200001 30001806	
320.137-014	MANAGER, LODGING FACILITIES	4	3	4	7	L45	B	06.1401 06.0701 08.0902 49.0305	1351	19000	20061699	019
329.677-010	PORTER, MARINA	2	2	2	3	M345	05		5269	49000	70200099	469
329.683-010	ATTENDANT, CAMPGROUND	2	1	1	2	M234	0		5269	49000	70200099	469
340.367-010	DESK CLERK, BOWLING FLOOR	3	3	3	3	L45	I		5254	61325	40061608	459
340.477-010	RACKER	2	2	1	2	L45	I		5254	55D65	70080404	459
341.137-010	CADDIE SUPERVISOR	3	2	2	6	L5	B		5251	44014	70200001	456
341.367-010	RECREATION-FACILITY ATTENDANT	4	3	3	3	L5	B		5254	44029	70080401	459
341.464-010	SKATE-SHOP ATTENDANT	3	2	2	3	L456	I	08.0904 47.0407	5254	44029	70080401	459
341.665-010	SKI-TOW OPERATOR	3	2	3	3	L45	0		5254	44029	70080401	459
341.677-010	CADDIE	2	2	2	2	M3456	0		5254	44029	70080401	459
341.683-010	GOLF-RANGE ATTENDANT	2	1	2	2	M34	0		5254	44029	70080401	459
342.137-010	SUPERVISOR, RIDES	4	3	3	7	L235	B		5251	44014	70200001	456
342.657-010	BARKER	3	2	3	2	L5	05		5254	44031	70080402	459
342.663-010	RIDE OPERATOR	3	2	2	3	L456	B		5254	44031	70080402	459
342.665-010	FUN-HOUSE OPERATOR	3	1	2	3	L45	B5		5254	44031	70080402	459
342.667-010	WHARF ATTENDANT	3	2	3	3	M23456	046		5254	44031	70080402	459
342.677-010	RIDE ATTENDANT	2	1	2	2	L45	0		5254	44031	70080402	459
343.137-014	SUPERVISOR, CARDROOM	4	4	4	6	L5	I		5251	44014	70200001	456
343.467-010	CARDROOM ATTENDANT 1	3	2	2	4	L456	I		5254	44029	70080401	459
343.467-014	FLOOR ATTENDANT	2	1	1	2	L45	I		5254	44029	70080401	459
343.467-018	GAMBLING DEALER	3	3	3	3	M456	I		5254	44031	70080402	459

*** PROGRAM: 08.0903 MARKETING OF RECREATIONAL SERVICES. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
343.577-010	CARDROOM ATTENDANT 2	2	1	2	2	L5	I		5254	44029	70080401	459
343.687-010	PLASTIC-CARD GRADER, CARDROOM	2	1	2	4	L46	I		5269	49000	70200099	469
344.667-010	TICKET TAKER	2	1	2	2	L45	I		5256	44034	70082800	464
344.677-010	PRESS-BOX CUSTODIAN	2	1	2	2	L45	I		5256	44034	70082800	464
344.677-014	USHER	2	1	1	2	L56	B		5256	44034	70082800	464
349.665-010	SCOREBOARD OPERATOR	3	2	3	2	S46	B		5269	49000	70200099	469
349.667-010	HOST/HOSTESS, DANCE HALL	2	2	2	2	L25	I		5269	49000	70200099	469
349.667-014	HOST/HOSTESS, HEAD	3	2	3	2	L5	I		5269	49000	70200099	469
349.673-010	DRIVE-IN THEATER ATTENDANT	2	1	2	2	L456	O		5269	44034	70082800	469
349.674-010	ANIMAL-RIDE ATTENDANT	3	1	2	2	H345	O	31.0201	5254	44031	70080402	459
349.677-014	COACH DRIVER	3	1	1	3	L4	B		5254	49000	70200099	459
349.680-010	TICKET-DISPENSER CHANGER	3	2	2	3	L4	I		5269	49000	70200099	469
350.677-018	STEWARD/ STEWARDESS, BATH	2	1	1	3	L45	I	08.1103	5269	44033	70082200	469
351.677-010	SERVICE ATTENDANT, SLEEPING CAR	2	2	2	2	M2345	I5	08.1103	5269	49000	70200099	469
352.667-010	HOST/HOSTESS	3	2	3	3	L5	I		5269	49000	70200099	469
353.161-010	GUIDE, HUNTING AND FISHING	4	3	3	7	H3456	O	31.0201	5255	49000	70200099	463
353.164-010	GUIDE, ALPINE	4	3	4	7	V23456	O23467		5255	49000	70200099	463
353.167-010	GUIDE, TRAVEL	4	3	4	6	L45	I	08.1105	5255	44017	70080608	463
353.363-010	GUIDE, SIGHTSEEING	3	2	3	4	L456	I	08.1104	5255	44075	70080619	463
353.367-010	GUIDE	3	1	2	3	L5	B	08.1104	5255	44075	70080619	463
353.367-014	GUIDE, ESTABLISHMENT	4	2	3	5	L5	I	08.1104	5255	44075	70080619	463
353.367-018	GUIDE, PLANT	3	2	3	3	L5	B	08.1104	5255	44075	70080619	463
358.677-010	CHECKROOM ATTENDANT	2	2	2	2	L456	I	08.0902	5269	44079	70080618	469
358.677-014	LOCKER-ROOM ATTENDANT	2	2	2	2	L34	I4		5269	44079	70080618	469
369.477-014	SERVICE-ESTABLISHMENT ATTENDANT	3	2	2	3	L45	I	08.0203 20.0302	4363	61324	40066898	275
915.473-010	PARKING-LOT ATTENDANT	2	1	1	2	L4	B	08.0902	8740	55C17	62001400	813

PROGRAM: 08.0904 RECREATIONAL PRODUCTS MARKETING. AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO UNDERTAKE THE MARKETING ACTIVITIES INVOLVED IN MARKETING A SPECIAL OR FULL LINE OF SUPPLIES AND EQUIPMENT, OTHER THAN VEHICLES, USED FOR RECREATIONAL OR SPORTING PURPOSES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
162.157-018	BUYER	4 3 4	6	L456	I	01.0503 04.0501 08.0703 08.0704 08.0705 08.0707 20.0306 20.0308 20.0505	1442	25301	10240804	029
162.157-022	BUYER, ASSISTANT	4 3 3	6	L5	I	01.0503 04.0501 08.0704 08.0705 20.0306 20.0308	1442	25301	10240804	029
162.157-022	BUYER, ASSISTANT	4 3 3	6	L5	I	20.0505	1442	25301	10240804	029
185.167-046	MANAGER, RETAIL STORE	4 4 3	7	L45	I	06.1401 08.0602 08.0603 08.0604 08.0705	4030	10035	20061612	243
211.362-010	CASHIER 1	4 3 3	5	S456	I	07.0205 08.0705	4364	61314	40060800	276
219.367-034	STOCK-CONTROL CLERK	4 3 3	5	L46	I	07.0708 08.0705	4754	62008	40065404	365
222.137-034	STOCK SUPERVISOR	4 3 3	6	L5	I	07.0401 07.0708	4525	61396	40061200	307
222.137-038	STOCK-CONTROL SUPERVISOR	4 3 3	6	L45	I	07.0401 07.0708	4525	61396	40061200	307
261.357-014	SALES REPRESENTATIVE, CANVAS PRODUCTS	4 3 4	6	L5	B	08.0706 08.0702	4249	71999	30001807	259
277.357-010	SALES REPRESENTATIVE, HOBBIES AND CRAFTS	4 3 4	5	L5	I	08.0706 08.0702	4249	71999	30001807	259
277.357-018	SALES REPRESENTATIVE, NOVELTIES	4 3 4	4	L5	I	08.0706 08.0702	4249	71999	30001807	259
277.357-026	SALES REPRESENTATIVE, RECREATION AND SPO	4 3 4	5	L5	I	08.0706 08.0702	4345	71999	30001807	274
277.357-058	SALESPERSON, SPORTING GOODS	4 3 4	5	L45	I	08.0706 08.0705	4345	71999	30001807	274
299.137-026	SUPERVISOR, MARINA SALES AND SERVICE	4 3 4	5	L45	B45	08.0706	4030	44014 72007	70200001 30001806	243
						08.0903	4030	44014 72007	70200001 30001806	
341.464-010	SKATE-SHOP ATTENDANT	3 2 2	3	L456	I	08.0903 47.0407	5254	44029	70080401	459

PROGRAM: 08.0905 WAITER/WAITRESS AND RELATED SERVICES. AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO PERFORM TASKS DESIGNED TO INCREASE THE SALES OF A PARTICULAR RESTAURANT OR CHAIN OR RESTAURANTS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
185.137-010	MANAGER, FAST FOOD SERVICES	4	4	4	7	L456	I	06.1401 06.0704	1351	10049	20061400	019
185.167-022	MANAGER, FOOD CONCESSION	3	3	3	6	L456	I	06.1401 06.0704	4030	10049	20061400	243
187.167-106	MANAGER, FOOD SERVICE	4	4	4	7	L456	I	06.1401	1351	10011 10049	20061400 20061400	019
								06.0704	1351	10011 10049	20061400 20061400	
								20.0405	1351	10011 10049	20061400 20061400	
								20.0406	1351	10011 10049	20061400 20061400	
187.167-126	MANAGER, LIQUOR ESTABLISHMENT	4	4	4	6	L5	I	06.1401	1351	10011 10049	20061400 20061400	019
								06.0704	1351	10011 10049	20061400 20061400	
209.567-014	ORDER CLERK, FOOD AND BEVERAGE	3	1	2	2	S45	I		4364	61900	40066898	276
211.482-014	FOOD CHECKER	3	2	1	3	S46	I		4718	61900	40066898	344
211.482-018	FOOD-AND-BEVERAGE CHECKER	3	2	2	3	L46	I		4718	61900	40066898	344
211.582-010	FOOD TABULATOR, CAFETERIA	3	2	1	3	S46	I		4718	61900	40066898	344
216.362-022	FOOD-AND-BEVERAGE CONTROLLER	4	3	2	5	S6	I	06.0704 07.0103	4718	61199	40041400	344
251.357-010	SALES AGENT, BUSINESS SERVICES	4	3	4	5	L56	B	08.0706 08.0203 08.0405 08.0702	4152	71900	30001899	257
275.357-050	SALES REPRESENTATIVE, VENDING AND COIN M	4	3	4	5	L5	I	08.0706 08.0702	4249	71999	30001807	259
291.457-014	LOUNGE-CAR ATTENDANT	2	2	2	2	M245	I5	08.0706	4366	72006	30001803	277
292.463-010	LUNCH-TRUCK DRIVER	2	2	2	2	M456	B		8218	55A87	62000801	806
310.137-010	HOST/HOSTESS, RESTAURANT	4	3	4	6	L45	I	20.0406	5211	43006	70041601	433
310.137-018	STEWARD/STEWARDESS	4	3	4	7	L45	I5	20.0406	5211	44014	70200001	433
310.137-022	STEWARD/STEWARDESS, BANQUET	4	3	4	7	L45	I5	20.0406	5211	44014	70200001	433
310.137-026	STEWARD/STEWARDESS, RAILROAD DINING CAR	4	3	3	7	L245	I5	20.0406	5211	44014	70200001	433
310.357-010	WINE STEWARD/STEWARDESS	3	3	3	6	L456	I	20.0406	5213	43900	70041899	435
311.137-010	COUNTER SUPERVISOR	3	2	3	6	L345	I	20.0406 20.0408	5211	44014	70200001	433
311.137-014	WAITER/WAITRESS, BANQUET, HEAD	4	3	3	6	L5	I	20.0406	5211	44014	70200001	433
311.137-018	WAITER/WAITRESS, CAPTAIN	4	2	3	6	L5	I	20.0406	5211	44014	70200001	433
311.137-022	WAITER/WAITRESS, HEAD	4	3	4	6	L45	I	20.0406	5211	44014	70200001	433
311.477-010	CAR HOP	2	2	2	2	L45	O	20.0406	5216	43900	70041899	438
311.477-014	COUNTER ATTENDANT, LUNCHROOM OR COFFEE S	2	2	2	2	L45	I	20.0406	5216	43010	70041899	438
311.477-018	WAITER/WAITRESS, BAR	3	2	2	3	L45	I	20.0406	5213	43009	70041602	435
311.477-022	WAITER/WAITRESS, DINING CAR	3	2	2	3	L245	I5	20.0406	5213	43009	70041602	435
311.477-026	WAITER/WAITRESS, FORMAL	3	2	3	3	L45	I	20.0406	5213	43009	70041602	435

*** PROGRAM: 08.0905 WAITER/WAITRESS AND RELATED SERVICES. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
311.477-030	WAITER/WAITRESS, INFORMAL	3	2	2	3	L45	I	20.0406	5213	43009	70041602	435
311.477-034	WAITER/WAITRESS, ROOM SERVICE	3	2	2	3	L45	I	20.0406	5216	43900	70041899	438
311.477-038	WAITER/WAITRESS, TAKE OUT	3	2	2	3	L45	I	20.0406	5216	43900	70041899	438
311.674-010	CANTEEN OPERATOR	2	1	2	3	L45	I	20.0406	5216	43010	70041899	438
311.674-018	WAITER/WAITRESS, BUFFET	2	2	1	3	L345	I	20.0406	5213	43009	70041602	435
311.677-010	CAFETERIA ATTENDANT	2	1	1	2	L4	I	20.0406 20.0408	5218	43003	70040600	443
311.677-014	COUNTER ATTENDANT, CAFETERIA	2	1	2	3	L45	I	20.0406 20.0408	5216	43010	70041899	438
311.677-018	DINING ROOM ATTENDANT	2	1	1	2	M345	I	20.0406	5218	43003	70040600	443
312.474-010	BARTENDER	3	2	2	3	L456	I	20.0406	5212	43002	70040400	043
319.467-010	FOOD ORDER EXPEDITER	3	2	2	3	L456	I	20.0406	5219	43900	70041899	444
319.474-010	FOUNTAIN SERVER	2	2	2	2	L45	I	20.0406	5216	43010	70041899	438
319.687-010	COUNTER-SUPPLY WORKER	2	1	1	2	M4	I	20.0406 20.0408	5218	43007	70041802	443
350.137-010	HEADWAITER/HEADWAITRESS	3	2	3	7	L5	I	20.0406	5211	44014	70200001	433
350.677-026	STEWARD/STEWARDESS, WINE	3	2	2	4	M45	I		5213	43900	70041899	435
350.677-030	WAITER/WAITRESS	3	1	2	3	L45	I	20.0406	5213	43009	70041602	435
352.677-018	WAITER/WAITRESS, CLUB	2	1	2	2	L4	I		5213	43009	70041602	435
355.677-010	FOOD-SERVICE WORKER, HOSPITAL	3	2	2	2	M46	I456	20.0404	5216	43900	70041899	438

PROGRAM: 08.0999 HOSPITALITY AND RECREATION MARKETING, OTHER. ANY INSTRUCTIONAL PROGRAM IN HOSPITALITY AND RECREATION MARKETING NOT DESCRIBED ABOVE.

PROGRAM: 08.1000 INSURANCE MARKETING.
-------------------- A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS TO PERFORM MARKETING FUNCTIONS AND TASKS RELATED TO THE SALE AND PLACEMENT OF INSURANCE CONTRACTS WITH CARRIERS.

PROGRAM: 08.1001 INSURANCE MARKETING, GENERAL.
--------------------------- AN INSTRUCTIONAL PROGRAM THAT GENERALLY PREPARES INDIVIDUALS TO PERFORM MARKETING FUNCTIONS AND TASKS RELATED TO THE SALE AND PLACEMENT OF INSURANCE CONTRACTS WITH CARRIERS.

PROGRAM: 08.1002 ACCIDENT AND HEALTH INSURANCE MARKETING.
-- AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO PERFORM MARKETING ACTIVITIES ASSOCIATED WITH UNDERWRITING ACCIDENT AND HEALTH INSURANCE, INCLUDING GROUP HOSPITALIZATION PLANS.

DICTIONARY OF OCCUPATIONAL TITLES CODE	FOURTH EDITION TITLE	GED R M L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
166.167-046	SPECIAL AGENT	5 3 5	8	S5	I	08.1003 08.1004	1430	25530	10243820	027
166.267-014	HOSPITAL-INSURANCE REPRESENTATIVE	4 3 4	6	S5	I		1430	25441	10243803	027
169.167-050	SPECIAL AGENT, GROUP INSURANCE	5 3 5	7	S5	I	08.1003 08.1004	1490	29000	10243899	037
169.167-058	UNDERWRITER	5 4 5	7	S456	I	07.0203 08.1003 08.1004	1414	25548	10243814	024
186.167-034	MANAGER, INSURANCE OFFICE	5 4 4	8	S5	I	06.1401 07.0401 08.1003 08.1004	4010	19000	20061699	243
241.217-010	CLAIM ADJUSTER	5 3 5	6	L5	B	07.0203 08.1003 08.1004	4782	25442	10243815	375
241.267-018	CLAIM EXAMINER	4 3 4	7	S45	I	08.1003	4782	61423	40062801	375
241.267-030	INVESTIGATOR	4 2 4	5	S456	B	07.0202 08.0203 08.0403 08.1003 08.1004	4783	61331	40066810	376
250.257-010	SALES AGENT, INSURANCE	4 3 4	6	L5	I	08.0706 08.1003 08.1004	4122	71012	30001005	253

PROGRAM: 08.1003 LIFE INSURANCE MARKETING.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO PERFORM MARKETING ACTIVITIES ASSOCIATED WITH UNDERWRITING LIFE-INSURANCE POLICIES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
166.167-046	SPECIAL AGENT	5	3	5	8	S5	I	08.1002 08.1004	1430	25530	10243820	027
169.167-050	SPECIAL AGENT, GROUP INSURANCE	5	3	5	7	S5	I	08.1002 08.1004	1490	29000	10243899	037
169.167-058	UNDERWRITER	5	4	5	7	S456	I	07.0203 08.1002 08.1004	1414	25548	10243814	024
186.167-010	ESTATE PLANNER	5	4	5	7	S5	I	06.1401	1419	19000	20061699	025
186.167-034	MANAGER, INSURANCE OFFICE	5	4	4	8	S5	I	06.1401 07.0401 08.1002 08.1004	4010	19000	20061699	243
239.267-010	PLACER	4	3	4	5	S5	I	08.0706 08.1004	4122	71005	30001004	253
241.217-010	CLAIM ADJUSTER	5	3	5	6	L5	B	07.0203 08.1002 08.1004	4782	25442	10243815	375
241.267-010	AGENT-CONTRACT CLERK	5	1	4	5	S4	I	07.0503 08.1004	4692	61352	40062602	328
241.267-018	CLAIM EXAMINER	4	3	4	7	S45	I	08.1002	4782	61423	40062801	375
241.267-030	INVESTIGATOR	4	2	4	5	S456	B	07.0202 08.0203 08.0403 08.1002 08.1004	4783	61331	40066810	376
250.257-010	SALES AGENT, INSURANCE	4	3	4	6	L5	I	08.0706 08.1002 08.1004	4122	71012	30001005	253

PROGRAM: 08.1004 PROPERTY AND CASUALTY INSURANCE MARKETING.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO PERFORM THE MARKETING ACTIVITIES ASSOCIATED WITH UNDERWRITING FIRE, MARINE, AND CASUALTY INSURANCE, INCLUDING AUTOMOBILE AND AGRICULTURAL INSURANCE.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
166.167-046	SPECIAL AGENT	5	3	5	8	S5	I	08.1002 08.1003	1430	25530	10243820	027
169.167-050	SPECIAL AGENT, GROUP INSURANCE	5	3	5	7	S5	I	08.1002 08.1003	1490	29000	10243899	037
169.167-058	UNDERWRITER	5	4	5	7	S456	I	07.0203 08.1002 08.1003	1414	25548	10243814	024
186.167-034	MANAGER, INSURANCE OFFICE	5	4	4	8	S5	I	06.1401 07.0401 08.1002 08.1003	4010	19000	20061699	243
239.267-010	PLACER	4	3	4	5	S5	I	08.0706 08.1003	4122	71005	30001004	253
241.217-010	CLAIM ADJUSTER	5	3	5	6	L5	B	07.0203 08.1002 08.1003	4782	25442	10243815	375
241.267-010	AGENT-CONTRACT CLERK	5	1	4	5	S4	I	07.0503 08.1003	4692	61352	40062602	328
241.267-014	APPRAISER, AUTOMOBILE DAMAGE	4	2	4	7	L56	B		4782	55A13	50081003	375
241.267-030	INVESTIGATOR	4	2	4	5	S456	B	07.0202 08.0203 08.0403 08.1002 08.1003	4783	61331	40066810	376
250.257-010	SALES AGENT, INSURANCE	4	3	4	6	L5	I	08.0706 08.1002 08.1003	4122	71012	30001005	253

PROGRAM: 08.1099 INSURANCE MARKETING, OTHER.

ANY INSTRUCTIONAL PROGRAM IN INSURANCE MARKETING NOT DESCRIBED ABOVE.

PROGRAM: 08.1100 TRANSPORTATION AND TRAVEL MARKETING.

A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS TO PERFORM MARKETING AND MANAGEMENT FUNCTIONS AND TASKS IN ENTERPRISES ENGAGED IN PASSENGER AND FREIGHT TRANSPORTATION, TRAVEL SERVICES, WAREHOUSING, AND OTHER SERVICES INCIDENTAL TO TRANSPORTATION, STORAGE, TRAVEL, OR TOURISM.

PROGRAM: 08.1101 TRANSPORTATION AND TRAVEL MARKETING, GENERAL.

AN INSTRUCTIONAL PROGRAM THAT GENERALLY PREPARES INDIVIDUALS TO PERFORM MARKETING AND MANAGEMENT FUNCTIONS AND TASKS IN ENTERPRISES ENGAGED IN PASSENGER AND FREIGHT TRANSPORTATION, TRAVEL SERVICES, WAREHOUSING, AND OTHER SERVICES INCIDENTAL TO TRANSPORTATION, STORAGE, TRAVEL, OR TOURISM.

PROGRAM: 08.1102 FREIGHT TRANSPORTATION MARKETING.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO FACILITATE THE PROVISION OF ANY FORM OF TRANSPORT USED FOR THE PHYSICAL MOVEMENT OF RAW MATERIALS, PRODUCTS, AND PERSONAL EFFECTS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
184.167-110	MANAGER, TRUCK TERMINAL	4	3	3	8	S45	I	06.1401 06.0705	1342	19000	20061699	019
184.167-122	PORT-TRAFFIC MANAGER	5	5	5	8	S45	I	06.1401 06.0705	1342	19000	20061699	019
184.167-274	WHARFINGER, CHIEF	4	4	4	8	S5	I	06.1401	1342	19000	20061699	019
184.267-010	FREIGHT-TRAFFIC CONSULTANT	5	4	4	8	S5	I		1342	29000	10243899	019
184.387-010	WHARFINGER	3	3	2	5	L4	B	06.1401	4716	19000	20061699	343
198.167-018	CONDUCTOR, ROAD FREIGHT	4	3	3	8	L2456	B5		8113	55A71	20061200	823
248.137-010	BOOKING SUPERVISOR	4	3	3	6	L45	I	07.0401 07.0709	4525	61396	40061200	307
248.137-018	SUPERVISOR, CUSTOMER SERVICES	4	3	4	6	L45	I	07.0401	4525	61396	40061200	307
248.167-010	SUPERCARGO	4	3	3	7	L45	B		4752	62003	40062400	363
248.367-018	CARGO AGENT	3	3	3	5	M45	I	07.0708	4753	62015	40066404	364
911.137-026	SUPERVISOR, FERRY TERMINAL	4	3	4	5	L56	B		8242	61396	40061200	828
914.137-010	DISTRIBUTION SUPERVISOR	4	3	4	6	S45	I		8111	55B29	50040003	803

PROGRAM: 08.1103 PASSENGER TRANSPORTATION MARKETING.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO FACILITATE THE PROVISION OF ANY FORM OF TRANSPORT USED PRIMARILY FOR THE TRANSPORTATION OF PEOPLE.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
184.167-070	MANAGER, FLIGHT-RESERVATIONS	5	4	4	8	S45	I	06.1401 06.0705	1342	19000	20061699	019
198.167-010	CONDUCTOR, PASSENGER CAR	4	3	4	8	L2456	B5		8113	55A71	20061200	823
198.167-014	CONDUCTOR, PULLMAN	4	3	4	6	L45	I5		8113	55A71	20061200	823
238.137-018	SUPERVISOR, GATE SERVICES	4	2	4	7	L456	I5		4514	61396	40061200	303
238.367-010	GATE AGENT	3	2	3	4	L456	I5		4644	61383	40066405	318
249.167-014	DISPATCHER, MOTOR VEHICLE	3	2	3	5	S5	I	07.0709	4751	62010	40065214	359
350.137-018	STEWARD/STEWARDESS, CHIEF, PASSENGER SHI	4	3	3	7	L5	I	20.0406	5211	44014	70200001	433
350.137-022	STEWARD/STEWARDESS, SECOND	4	2	3	7	L5	I	20.0406	5211	44014	70200001	433
350.137-026	STEWARD/STEWARDESS, THIRD	4	2	3	7	L5	I	20.0605	5241	44014	70200001	448
350.677-014	PASSENGER ATTENDANT	2	1	2	2	L45	I		5262	44033	70082200	466
350.677-018	STEWARD/ STEWARDESS, BATH	2	1	1	3	L45	I	08.0903	5269	44033	70082200	469
350.677-022	STEWARD/STEWARDESS	3	1	2	3	L45	B		5257	44033	70082200	465
351.677-010	SERVICE ATTENDANT, SLEEPING CAR	2	2	2	2	M2345	I5	08.0903	5269	49000	70200099	469
352.137-010	SUPERVISOR, AIRPLANE-FLIGHT ATTENDANT	4	3	4	7	L256	I5	06.0705 49.0106	5251	44014	70200001	456

*** PROGRAM: 08.1103 PASSENGER TRANSPORTATION MARKETING. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
352.367-010	AIRPLANE-FLIGHT ATTENDANT	4	3	3	3	L2345	I56	49.0106	5257	44012	70080200	465
352.367-014	FLIGHT ATTENDANT, RAMP	4	3	3	6	L56	I5	49.0106	5251	49000	70200099	456
352.377-010	HOST/HOSTESS, GROUND	3	2	3	3	L45	I5		5257	49000	70200099	465
352.577-010	BUS ATTENDANT	3	2	3	2	L245	I		5257	49000	70200099	465
352.677-010	PASSENGER SERVICE REPRESENTATIVE 1	3	2	3	3	L23456	I5		5257	49000	70200099	465
352.677-014	RECEPTIONIST, AIRLINE LOUNGE	3	2	3	3	L3456	I		5257	49000	70200099	465
357.477-010	BAGGAGE CHECKER	3	2	3	3	M3456	I5		5262	55A16	70080803	466
357.677-010	PORTER	2	1	2	2	M345	B5		5262	44021	70080802	466
359.677-022	PASSENGER SERVICE REPRESENTATIVE	3	2	3	3	L456	I		5257	49000	70200099	465
910.137-010	BAGGAGE-AND-MAIL AGENT	4	3	3	6	L5	I		4525	55B29	50040003	307
910.137-038	STATION AGENT 1	4	3	4	6	L45	I	07.0705	4514	61431	40066401	303
910.367-026	PASSENGER REPRESENTATIVE	3	2	3	4	L5	I		5257	55A71	20061200	465
910.687-010	BAGGAGE HANDLER	2	1	1	2	H234	I		8769	55A16	70080803	889
912.367-014	TRANSPORTATION AGENT	3	3	3	5	L45	B5	07.0709	4758	62015	40066404	373
913.133-010	ROAD SUPERVISOR	4	3	4	6	L45	I5	06.0705	7100	55B29	50040003	633
913.133-014	SUPERVISOR, CAB	4	3	4	7	L45	I	06.0705	7100	55B29	50040003	633
913.167-014	DISPATCHER, BUS AND TROLLEY	4	3	4	7	L45	I		8111	61396	40061200	803

PROGRAM: 08.1104 TOURISM.

------- AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ASSUME INITIATIVES IN ANY BUSINESS. AGENCY, OR INSTITUTION FOR ATTRACTING AND SERVING THE TRAVELING PUBLIC WITH THE OBJECTIVE OF STIMULATING THE LOCAL, STATE, OR NATIONAL ECONOMY.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
237.137-014	SUPERVISOR, TRAVEL-INFORMATION CENTER	4	3	4	6	L456	I7	06.0705 07.0401 07.0707 08.1105	4514	61396	40061200	303
237.267-010	INFORMATION CLERK, AUTOMOBILE CLUB	4	3	4	5	S456	I	07.0707	4649	61390	40064804	323
237.367-050	TOURIST-INFORMATION ASSISTANT	4	3	4	6	S45	I	07.0707	4649	61391	40066898	323
238.167-014	TRAVEL COUNSELOR, AUTOMOBILE CLUB	4	4	3	5	S45	I	07.0707	4644	61390	40064804	318
238.367-030	TRAVEL CLERK	3	3	3	4	S5	I		4644	61391	40066898	318
259.357-010	GROUP-SALES REPRESENTATIVE	3	2	3	3	L5	I	08.0706 08.0203 08.0903	4369	71900	30001899	274
353.137-010	GUIDE, CHIEF AIRPORT	4	2	3	5	L56	I5		5251	44014	70200001	456
353.363-010	GUIDE, SIGHTSEEING	3	2	3	4	L456	I	08.0903	5255	44075	70080619	463
353.367-010	GUIDE	3	1	2	3	L5	B	08.0903	5255	44075	70080619	463
353.367-014	GUIDE, ESTABLISHMENT	4	2	3	5	L5	I	08.0903	5255	44075	70080619	463
353.367-018	GUIDE, PLANT	3	2	3	3	L5	B	08.0903	5255	44075	70080619	463
353.367-022	PAGE	3	2	3	2	L5	I		5255	44075	70080619	463

PROGRAM: 08.1105 TRAVEL SERVICES MARKETING.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO FURNISH TRAVEL INFORMATION AND TO ACT AS AGENTS IN ARRANGING TOURS AND TRANSPORTATION OR TO ACT AS INDEPENDENT TICKET AGENCIES FOR TRANSPORTATION CARRIERS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
187.167-158	MANAGER, TRAVEL AGENCY	4	4	4	7	L45	I	06.1401 08.0203	1359	19000	20061699	019
211.467-030	TICKET SELLER	3	2	1	2	S456	I	08.0903	4364	61314	40060800	276
214.362-030	RATE CLERK, PASSENGER	4	3	3	4	S456	I		4716	61391	40066898	343
237.137-014	SUPERVISOR, TRAVEL-INFORMATION CENTER	4	3	4	6	L456	I7	06.0705 07.0401 07.0707 08.1104	4514	61396	40061200	303
238.137-014	SENIOR RESERVATIONS AGENT	4	3	3	6	L456	I	07.0401	4514	61396	40061200	303
238.137-014	SENIOR RESERVATIONS AGENT	4	3	3	6	L456	I	07.0707	4514	61396	40061200	303
238.137-022	SUPERVISOR, TICKET SALES	4	3	4	6	L45	I	07.0401	4514	61396	40061200	303
238.167-010	TRAVEL CLERK	4	3	4	7	S45	I	07.0707	4644	61391	40066898	318
238.362-014	RESERVATION CLERK	3	3	3	5	S45	I		4644	61391	40066898	318
238.367-014	RESERVATION CLERK	3	2	3	3	S45	I		4644	61305	40066403	318
238.367-018	RESERVATIONS AGENT	4	3	3	4	S45	I		4644	61305	40066403	318
238.367-026	TICKET AGENT	4	3	4	5	L45	I	07.0707	4644	61383	40066405	318
248.382-010	TICKETING CLERK	3	3	3	4	S46	I		4644	61383	40066405	318
252.157-010	TRAVEL AGENT	3	3	3	4	S56	I		4369	25531	10243821	274
295.367-010	AIRPLANE-CHARTER CLERK	4	3	4	3	L5	I	08.0706	4369	72002	30001802	274
353.167-010	GUIDE, TRAVEL	4	3	4	6	L45	I	08.0903	5255	44017	70080608	463

PROGRAM: 08.1106 WAREHOUSE SERVICES MARKETING.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO UNDERTAKE THE MARKETING RESPONSIBILITIES ASSOCIATED WITH THE STORAGE OF FARM PRODUCTS, FURNITURE AND OTHER HOUSEHOLD GOODS, OR COMMERCIAL PRODUCTS OF ANY KIND.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
184.167-114	MANAGER, WAREHOUSE	5	5	4	8	S5	I	06.1401	1342	19000	20061699	019
184.167-118	OPERATIONS MANAGER	4	3	3	6	L56	I	06.1401 06.0705	1342	19000	20061699	019
184.167-142	SUPERINTENDENT, COLD STORAGE	4	3	3	8	L56	I	06.1401	7100	19000	20061699	633
185.167-018	MANAGER, DISTRIBUTION WAREHOUSE	5	3	4	6	S45	I	06.1401 08.0707	4020	19000	20061699	243
185.167-054	MANAGER, TOBACCO WAREHOUSE	4	3	3	8	L45	I	06.1401 08.0707	4020	19000	20061699	243
222.367-030	FLOOR-SPACE ALLOCATOR	3	2	2	3	L45	I		4753	62900	40066899	364
921.133-018	MATERIAL-HANDLING SUPERVISOR	4	2	3	7	L45	B	49.0203	7100	55B29	50040003	633
922.137-026	WAREHOUSE TRAFFIC SUPERVISOR	3	2	2	5	L45	B	49.0203	8120	55B29	50040003	843
929.137-018	WAREHOUSE SUPERVISOR	4	3	3	7	L45	I		7100	55B29	50040003	633
929.137-022	WAREHOUSE SUPERVISOR	4	2	3	7	L45	I		7100	55B29	50040003	633

PROGRAM: 08.1199 TRANSPORTATION AND TRAVEL MARKETING, OTHER.

ANY INSTRUCTIONAL PROGRAM IN TRANSPORTATION AND TRAVEL MARKETING NOT DESCRIBED ABOVE.

PROGRAM: 08.1200 VEHICLES AND PETROLEUM MARKETING.

A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS TO PERFORM MARKETING AND MANAGEMENT FUNCTIONS AND TASKS IN RETAIL OR WHOLESALE ESTABLISHMENTS ENGAGED IN THE DISTRIBUTION OF PETROLEUM PRODUCTS, AND IN RETAIL, WHOLESALE, MANUFACTURING, AND SERVICE ESTABLISHMENTS ENGAGED IN THE MARKETING OF CARS, VANS, TRUCKS, MOBILE UNITS, BOATS, OTHER RECREATIONAL VEHICLES, TRACTORS, AND OTHER FARM VEHICLES AND IMPLEMENTS, AS WELL AS RELATED PARTS, ACCESSORIES, EQUIPMENT, AND SERVICES.

PROGRAM: 08.1201 VEHICLES AND PETROLEUM MARKETING, GENERAL.

AN INSTRUCTIONAL PROGRAM THAT GENERALLY PREPARES INDIVIDUALS TO PERFORM MARKETING AND MANAGEMENT FUNCTIONS AND TASKS IN RETAIL OR WHOLESALE ESTABLISHMENTS ENGAGED IN THE DISTRIBUTION OF PETROLEUM PRODUCTS, OR IN RETAIL, WHOLESALE, MANUFACTURING, AND SERVICE ESTABLISHMENTS ENGAGED IN MARKETING OF CARS, VANS, TRUCKS, MOBILE UNITS, BOATS, OTHER RECREATIONAL VEHICLES, TRACTORS, AND OTHER FARM VEHICLES AND IMPLEMENTS, AS WELL AS RELATED PARTS, ACCESSORIES, EQUIPMENT AND SERVICES.

PROGRAM: 08.1202 AGRICULTURAL IMPLEMENTS AND MACHINERY MARKETING.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ENGAGE IN THE MARKETING OF VARIOUS FARM IMPLEMENTS, MACHINERY, AND VEHICLES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
187.167-142	MANAGER, SERVICE DEPARTMENT	4	4	4	7	L56	I	06.1401 01.0204	6000	19000	20061699	503
272.357-014	SALES REPRESENTATIVE, FARM AND GARDEN EQ	4	3	4	5	L5	I	08.0706 01.0503 08.0502 08.0702	4233	71998	30001808	259
272.357-018	SALES REPRESENTATIVE, POULTRY EQUIPMENT	4	3	4	6	M5	B	08.0706 01.0503 02.0204 02.0209 08.0502 08.0702	4233	71998	30001808	259
295.467-022	TRAILER-RENTAL CLERK	3	3	3	4	L45	I	08.1207	4363	55D28	61082604	275
299.251-010	SALES-SERVICE REPRESENTATIVE, MILKING MA	4	3	4	6	M45	B	08.0706 01.0503	4233	71998	30001808	259

PROGRAM: 08.1203 AUTOMOTIVE VEHICLES AND ACCESSORIES MARKETING. AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ENGAGE IN THE MARKETING OF NEW AND USED CARS, VANS, TRUCKS, AND RELATED PARTS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
163.267-010	FIELD REPRESENTATIVE	5	4	3	6	L5	I	06.1401 08.0203	1250	19000	20061699	013
185.167-038	MANAGER, PARTS	4	3	3	7	L56	I	06.1401 08.0705 08.0707	4030	10047	20061614	243
185.167-058	SERVICE MANAGER	4	3	4	6	L45	I	06.1401	6000	10046	20061613	503
187.167-150	MANAGER, STORAGE GARAGE	3	3	3	6	L5	I	06.1401 08.0203	8111	19000	20061699	803
191.167-022	SERVICE REPRESENTATIVE	5	4	4	7	S6	I		4783	29000	10243899	376
191.287-010	APPRAISER	5	5	5	7	L346	I	08.0203	4440	25404	10243807	285
222.367-042	PARTS CLERK	3	2	2	5	H23456	I	07.0708	4754	62008	40065404	365
241.367-034	TIRE ADJUSTER	3	3	2	3	M3456	I		4783	61313	40062208	376
273.353-010	SALESPERSON, AUTOMOBILES	4	3	4	5	L45	B	08.0706 08.0705	4342	71999	30001807	263
273.357-014	SALES REPRESENTATIVE, AUTOMOTIVE-LEASING	4	3	4	5	L5	I	08.0706 08.0203 08.1207	4369	71900	30001899	274
273.357-022	SALES REPRESENTATIVE, MOTOR VEHICLES AND	4	3	4	5	L5	I	08.0706 08.0702	4244	71999	30001807	259
273.357-030	SALESPERSON, AUTOMOBILE ACCESSORIES	4	3	4	4	L5	I	08.0706 08.0705 08.1206	4342	71999	30001807	263
273.357-034	SALESPERSON, TRAILERS AND MOTOR HOMES	4	3	4	5	L5	B	08.0706 08.0705 08.1205	4342	71999	30001807	263
279.357-062	SALESPERSON, PARTS	4	3	4	6	L456	I	08.0706 01.0503 08.0705 08.1206	4367	71999	30001807	269
296.367-010	AUTOMOBILE LOCATOR	3	2	3	3	S5	I	08.0706	4460	79000	30001899	285

PROGRAM: 08.1204 PETROLEUM WHOLESALING. AN INSTRUCTIONAL PROGRAMS THAT PREPARES INDIVIDUALS TO PERFORM ACTIVITIES INVOLVED IN WHOLESALE MARKETING OF PACKAGED AND BOTTLED PETROLEUM PRODUCTS AND GASOLINE FROM BULK-LIQUID-STORAGE FACILITIES AND TERMINALS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
163.117-010	MANAGER, CONTRACTS	5	5	5	7	S5	I	06.1401 08.0702	1449	19000	20061699	033
168.267-026	DEALER-COMPLIANCE REPRESENTATIVE	4	3	3	6	L5	B	08.0203	1473	29000	10243899	036
181.117-010	MANAGER, BULK PLANT	5	4	4	8	L5	I		1320	19000	20061699	019
269.357-014	SALES REPRESENTATIVE, PETROLEUM PRODUCTS	4	3	4	6	L5	I	08.0702	4249	71998	30001808	259

PROGRAM: 08.1205 RECREATIONAL VEHICLES AND ACCESSSORIES MARKETING. AN INSTRUCTIONAL PROGRAM THAT PREPARE INDIVIDUALS TO ENGAGE IN THE MARKETING OF VARIOUS KINDS OF VEHICLES AND CONVEYANCES DESIGNED FOR RECREATIONAL PURPOSES, INCLUDING BOATS AND BICYCLES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
273.253-010	SALES REPRESENTATIVE, AIRCRAFT	5	3	4	6	L456	B6	08.0706 08.0702	4232	71998	30001808	259
273.357-010	SALES REPRESENTATIVE, AIRCRAFT EQUIPMENT	4	3	4	6	L5	I	08.0706 08.0702	4232	71998	30001808	259
273.357-018	SALES REPRESENTATIVE, BOATS AND MARINE S	4	3	4	5	L456	I	08.0706 08.0702	4344	71999	30001807	263
273.357-034	SALESPERSON, TRAILERS AND MOTOR HOMES	4	3	4	5	L5	B	08.0706 08.0705 08.1203	4342	71999	30001807	263

PROGRAM: 08.1206 SERVICE STATION RETAILING. AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO PERFORM ACTIVITIES INVOLVED IN RETAIL MARKETING OF GASOLINE, LUBRICATING OILS, AND RELATED PRODUCTS IN AUTOMOBILE AND MARINE SERVICE STATIONS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED			SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
		R	M	L								
185.167-014	MANAGER, AUTOMOBILE SERVICE STATION	4	4	4	7	L45	B	06.1401	4030	10035	20061612	243
273.357-030	SALESPERSON, AUTOMOBILE ACCESSORIES	4	3	4	4	L5	I	08.0706 08.0705 08.1203	4342	71999	30001807	263
279.357-062	SALESPERSON, PARTS	4	3	4	6	L456	I	08.0706 01.0503 08.0705 08.1203	4367	71999	30001807	269
915.137-010	CAR-WASH SUPERVISOR	3	2	2	5	L45	I4		8500	55D29	50040003	863
915.467-010	AUTOMOBILE-SERVICE-STATION ATTENDANT	3	2	2	3	M345	B		8730	55D67	61082605	885
915.477-010	AUTOMOBILE-SELF-SERVE-SERVICE-STATION AT	3	2	2	3	L345	O		8730	55B89	61082603	885
915.587-010	GAS-AND-OIL SERVICER	2	1	1	2	L4	I5		8730	55D67	61082605	885
915.667-010	CAR-WASH ATTENDANT, AUTOMATIC	2	2	1	2	L4	O4		4369	49000	70200099	274

PROGRAM: 08.1207 VEHICLE RENTAL AND LEASING. AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO PROVIDE MARKETING SERVICES RELATING TO THE RENTING AND LEASING OF VEHICLES IN A BUSINESS ENTERPRISE, SUCH AS CAR-RENTAL SYSTEMS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED			SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
		R	M	L								
187.167-162	MANAGER, VEHICLE LEASING AND RENTAL	5	4	4	8	L5	I	06.1401	1250	19000	20061699	013
273.357-014	SALES REPRESENTATIVE, AUTOMOTIVE-LEASING	4	3	4	5	L5	I	08.0706 08.0203 08.1203	4369	71900	30001899	274
295.467-022	TRAILER-RENTAL CLERK	3	3	3	4	L45	I	08.1202	4363	55D28	61082604	275
295.477-010	AUTOMOBILE-RENTAL CLERK	3	3	3	4	L45	I		4363	61312	40061601	275

PROGRAM: 08.1299 VEHICLES AND PETROLEUM MARKETING, OTHER. ANY INSTRUCTIONAL PROGRAM IN VEHICLES AND PETROLEUM MARKETING NOT DESCRIBED ABOVE.

PROGRAM: 08.9900 MARKETING AND DISTRIBUTION, OTHER. A GROUP OF INSTRUCTIONAL PROGRAMS IN MARKETING AND DISTRIBUTION NOT DESCRIBED ABOVE.

PROGRAM: 08.9999 MARKETING AND DISTRIBUTION, OTHER. ANY INSTRUCTIONAL PROGRAM IN MARKETING AND DISTRIBUTION NOT DESCRIBED ABOVE.

PROGRAM: 09.0200 ADVERTISING.
------------ A GROUP OF INSTRUCTIONAL PROGRAMS (SEE 09.0201).

PROGRAM: 09.0201 ADVERTISING.
------------ AN INSTRUCTIONAL PROGRAM THAT DESCRIBES THE CREATION, EXECUTION, TRANSMISSION, AND EVALUATION OF COMMERCIAL MESSAGES CONCERNED WITH THE PROMOTION AND SALE OF PRODUCTS AND SERVICES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
000.000-000							1490	25450	10180204	037
131.067-014	COPY WRITER	5 2 5	7	S456	I	08.0203	3313	25436	10221201	195
141.067-010	CREATIVE DIRECTOR	5 3 5	8	S56	I	48.0203	3220	25426	10221601	183
162.167-026	PRIZE COORDINATOR	4 3 4	5	L56	I		4799	61900	40066898	389
163.167-010	MANAGER, ADVERTISING	5 3 5	8	S5	I	06.1401	1250	19000	20061699	013
164.117-010	MANAGER, ADVERTISING	6 5 5	8	S5	I	06.1401	1250	19000	20061699	013
164.117-014	MANAGER, ADVERTISING AGENCY	5 3 4	8	S5	I	06.1401	1250	19000	20061699	013
164.167-010	ACCOUNT EXECUTIVE	5 3 4	8	S5	I	08.0706	1250	71900	30001899	013
165.067-010	PUBLIC-RELATIONS REPRESENTATIVE	5 4 5	7	S56	I	08.0203 08.0903	3320	25472	10222000	197
165.167-010	SALES-SERVICE PROMOTER	5 3 5	7	L45	I	08.0203	3320	25472	10222000	197
184.107-090	MANAGER, TRAFFIC	5 3 5	7	S5	I	06.1401	1341	19000	20061699	019
230.137-010	SUPERVISOR, ADVERTISING-MATERIAL DISTRIB	4 2 4	6	L5	B	08.0203	4030	61396	40061200	243
230.687-010	ADVERTISING-MATERIAL DISTRIBUTOR	1 1 1	2	L4	O		8769	59003	80002899	889
247.137-010	SUPERVISOR, ADVERTISING-DISPATCH CLERKS	4 2 4	5	L5	I	07.0401	4525	61396	40061200	307
247.137-014	SUPERVISOR, CLASSIFIED ADVERTISING	4 3 4	6	L5	I	07.0401 07.0706	4516	61396	40061200	303
247.367-010	CLASSIFIED-AD CLERK 1	3 2 3	5	S45	I	07.0706	4662	61419	40061607	325
247.382-010	MEDIA CLERK	4 3 3	5	S46	I	07.0706	4699	61329	40066809	336
247.387-010	ADVERTISING CLERK	3 2 2	4	S46	I	07.0706	4756	61900	40066898	368
247.387-014	ADVERTISING-DISPATCH CLERK	3 2 3	4	S4	I		4752	62003	40062400	363
247.387-018	ADVERTISING-SPACE CLERK	3 3 3	5	S46	I		4662	61900	40066898	325
247.387-022	CLASSIFIED-AD CLERK 2	3 3 2	5	S46	I		4662	61417	40061606	325
254.251-010	SALES REPRESENTATIVE, GRAPHIC ART	5 3 4	7	L456	I	08.0706 08.0203	4153	71900	30001899	256
254.257-010	SALES REPRESENTATIVE, SIGNS AND DISPLAYS	4 3 4	6	L56	I	08.0706 08.0203	4153	71900	30001899	256
254.357-010	LEASING AGENT, OUTDOOR ADVERTISING	3 2 3	4	L56	B	08.0706 08.0203	4153	71900	30001899	256
254.357-014	SALES REPRESENTATIVE, ADVERTISING	4 3 4	6	L5	I	08.0706 08.0203	4153	71900	30001899	256
254.357-022	SALES REPRESENTATIVE, SIGNS	4 3 4	6	L56	I	08.0706 08.0203	4153	71900	30001899	256
259.357-018	SALES REPRESENTATIVE, RADIO AND TELEVISI	4 3 4	6	L5	I	08.0706 08.0203	4153	71900	30001899	256
269.357-018	SALES-PROMOTION REPRESENTATIVE	4 2 3	3	L45	I	08.0706 08.0202 08.0702	4153	71999	30001807	256
299.667-010	BILLPOSTER	2 1 2	2	M24	O		4490	55A18	61089203	285
841.137-010	SUPERVISOR, BILLPOSTING	4 2 3	6	L2356	O6		6315	55B29	50040003	556
869.684-054	SIGN ERECTOR 2	3 2 2	3	H234	O6	46.0201	6479	59002	63000000	599

Technical Education

PROGRAM AREA: TECHNICAL EDUCATION.

PROGRAMS IN THIS DIVISION PREPARE INDIVIDUALS AT THE TECHNICAL OR SPECIALIST LEVEL IN A SPECIALIZED FIELD OF TECHNOLOGY IN THE PHYSICAL, RELATED ENGINEERING, BIOLOGICAL, AND/OR SOCIAL SCIENCES. INDIVIDUALS ARE PREPARED TO BE SUPPORTIVE TO PROFESSIONAL SCIENTISTS, ENGINEERS, PHYSICIANS OR TECHNICAL MANAGERS AND SUPERVISE SKILLED AND UNSKILLED WORKERS IN THEIR OCCUPATIONAL AREA. INSTRUCTIONAL REQUIREMENTS FOR PROGRAMS IN THIS DIVISION INCLUDE: (1) OVER 1000 HOURS OF INSTRUCTION OR EQUIVALENT FOR AWARD OF CERTIFICATE, DIPLOMA, OR ASSOCIATE DEGREE: (2) INSTRUCTION IN COLLEGE-LEVEL MATHEMATICS; AND (3) INSTRUCTION IN THE RELEVANT COLLEGE LEVEL PHYSICAL, BIOLOGICAL OR SOCIAL SCIENCE.

PROGRAM: 02.0300 FOOD SCIENCES.

A GROUP OF INSTRUCTIONAL PROGRAMS (SEE 02.0306).

PROGRAM: 02.0306 FOOD TECHNOLOGY.

SEE PROGRAM 15.0602, FOOD PROCESSING TECHNOLOGY, ON PAGE 239.

PROGRAM: 03.0400 FORESTRY PRODUCTION AND PROCESSING.

A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS TO PRODUCE, PROTECT, AND MANAGE TIMBER AND SPECIALTY FOREST CROPS; MAINTAIN, OPERATE, AND REPAIR RELATED EQUIPMENT AND MACHINERY, HARVEST AND TRANSPORT TREES AS A CROP AND SELECT, GRADE, AND MARKET FOREST RAW MATERIALS FOR CONVERTING INTO A VARIETY OF CONSUMER GOODS, AND TO UTILIZE THE FOREST FOR MULTIPLE PURPOSES SUCH AS GAME PRESERVES AND RECREATION.

PROGRAM: 03.0404 FOREST PRODUCTS PROCESSING TECHNOLOGY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ASSIST A MANAGER, ENGINEER, CHEMIST, OR FOREST PRODUCT SCIENTIST IN THE MEASUREMENT, ANALYSIS OF QUALITY, TESTING, AND PROCESSING OF HARVESTED FOREST RAW MATERIALS. INCLUDES INSTRUCTION IN IDENTIFYING TYPES OF RAW FOREST MATERIALS; PROCEDURES AND PROCESSES INVOLVED, INCLUDING MEASURING, ASSESSING QUALITY, EVALUATING COMMERCIAL VALUE, AND TESTING STRENGTH OF FIBER CUT PRODUCTS; CUTTING INTO FINISHED OR SEMI-FINISHED PRODUCTS, DRYING OR OTHERWISE CONDITIONING; FINISHING OR LAMINATING INTO PLYWOOD MARKETABLE PRODUCTS; AND CUTTING, DIGESTING, AND FABRICATING INTO PAPERBOARD OR OTHER PRODUCT FORM.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
199.364-014	SCIENTIFIC HELPER	4 4 4	6	M46	B	15.0504 15.0609 15.0610 15.0702 15.0903 41.0101 41.0102	3990	32900	10081898	235

*** PROGRAM: 03.0404 FOREST PRODUCTS PROCESSING TECHNOLOGY. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
199.364-014	SCIENTIFIC HELPER, CONTINUED					41.0102 41.0203 41.0204 41.0301 41.0303 41.0304 41.0305				
762.384-010	GLUED WOOD TESTER	4 3 4	7	L46	I		7830	55Q57	50142205	797

PROGRAM: 10.0100 COMMUNICATION TECHNOLOGIES.

A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS TO SUPPORT AND ASSIST COMMUNICATION PROFESSIONALS AND SKILLED COMMUNICATION WORKERS. PROGRAMS STRESS SPECIALIZED, PRACTICAL KNOWLEDGE RELATED TO THE MECHANICAL, SCIENTIFIC, OR TECHNICAL ASPECTS OF COMMUNICATIONS.

PROGRAM: 10.0101 EDUCATIONAL MEDIA TECHNOLOGY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO OPERATE, ADJUST, MAKE MINOR REPAIRS FOR, AND DIAGNOSE MAJOR DIFFICULTIES IN AUDIOVISUAL DEVICES, EQUIPMENT, AND SYSTEMS USED IN EDUCATION OR COMMUNICATION APPLICATIONS, INCLUDING LOUD-SPEAKER SYSTEMS, SLIDES, MOVIE FILM, OR OVERHEAD PROJECTION EQUIPMENT AND TAPE-RECORDING EQUIPMENT. INCLUDES INSTRUCTION IN CONSTRUCTION OF EQUIPMENT; THE PROCEDURES, PROCESSES AND TECHNIQUES FOR MAKING OVERHEAD PROJECTION MATERIALS, PHOTOGRAPHIC SLIDES, GRAPHS, CHARTS, TABLES, OR OTHER PROJECTABLE MATERIALS; THE ADMINISTRATION OF EQUIPMENT ACQUISITION, STORAGE, SERVICING, CONTROLLING, AND PACKAGING FOR TRANSPORTATION; COST AND MAINTENANCE.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
149.061-010	AUDIOVISUAL PRODUCTION SPECIALIST	6 4 5	7	S456	I		3290	29000	10243899	194
962.362-010	COMMUNICATIONS TECHNICIAN	4 2 3	7	L456	B	10.0102	3990	39008	10141404	235

PROGRAM: 10.0102 MOTION PICTURE TECHNOLOGY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO SUPPORT CINEMATOGRAPHERS OR DIRECTORS IN THE MOTION PICTURE INDUSTRY. INCLUDES INSTRUCTION IN EQUIPMENT, PROCESSES, AND PROCEDURES USED IN PRODUCING MOTION PICTURES; COMPONENTS AND SYSTEMS OF DEVICES FOR PHOTOGRAPHY, LIGHTING, SET DESIGN, AND SOUND RECORDING; AND RECORDING AND RE-RECORDING SOUND AND SPECIAL EFFECTS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
194.262-018	SOUND MIXER	4	4	3	7	S45	I	10.0104	3719	32015	10080801	216
194.362-014	RERECORDING MIXER	4	4	4	7	S456	I	10.0104	3719	32015	10080801	216
194.381-010	TECHNICAL TESTING ENGINEER	4	4	3	6	L46	I		3711	55B92	10080806	213
714.131-010	SUPERVISOR, MOTION-PICTURE EQUIPMENT	4	4	4	8	L456	I	06.2001 10.0104	7100	55B29	50040003	633
960.132-010	CHIEF PROJECTIONIST	4	2	3	8	S56	I		7100	55B29	50040003	633
960.362-010	MOTION-PICTURE PROJECTIONIST	4	2	2	6	L46	I		7479	55C40	50142800	773
962.134-010	RECORDIST, CHIEF	4	3	4	7	L456	I	10.0104	7100	55B29	50040003	633
962.137-014	SUPERVISING FILM EDITOR	5	3	5	8	S56	I	10.0104	7100	55B29	50040003	633
962.137-022	SUPERVISOR, PROP-MAKING	4	4	3	8	L56	B		7100	55B29	50040003	633
962.137-026	SUPERVISOR, PROPERTIES	4	3	4	8	L56	I		7100	55B29	50040003	633
962.162-010	DIRECTOR, TECHNICAL	5	2	4	8	L456	I	10.0104	1341	25483	10243802	019
962.167-010	MANAGER, SOUND EFFECTS	5	4	5	7	S5	I	10.0104	3719	32015	10080801	216
962.264-010	EDITOR, FILM	5	2	4	8	S46	I	10.0103 10.0104	3312	25440	10221202	195
962.267-010	SIGHT-EFFECTS SPECIALIST	4	3	3	8	L456	I		3990	32018	10081815	235
962.362-010	COMMUNICATIONS TECHNICIAN	4	2	3	7	L456	B	10.0101	3990	39000	10141404	235
962.362-014	LIGHT TECHNICIAN	4	2	3	7	L46	I	10.0104	3990	32018	10081815	235
962.382-010	RECORDIST	3	2	2	6	L45	B		3990	32015	10080801	235
962.382-014	SOUND CUTTER	4	3	4	6	S45	I		3719	32015	10080801	216

PROGRAM: 10.0103 PHOTOGRAPHIC TECHNOLOGY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS AS HIGHLY SKILLED PHOTOGRAPHIC TECHNICIANS. INCLUDES INSTRUCTION IN BASIC AND APPLIED PHYSICS AND CHEMISTRY, WITH THE SUPPORTING MATHEMATICS OF PHOTOGRAPHIC PROCESS; LIGHT, OPTICS, AND OPTICAL SYSTEMS OF BLACK-AND-WHITE AND COLOR PHOTOGRAPHY; THE SCIENCE, DESIGN, AND FUNCTION OF CAMERAS, AND RELATED DEVICES SUCH AS LIGHT METERS; SOURCE AND APPLICATIONS OF SPECIAL PHOTOGRAPHIC LIGHT; SYSTEM OR MECHANISMS FOR STILL PHOTOGRAPHY, MOVING PICTURES, PHOTOGRAPHIC COMPOSITION, PORTRAIT PHOTOGRAPHY, AND MEDICAL PHOTOGRAPHY; TECHNIQUES FOR TAKING, DEVELOPING, AND MOUNTING STILL PICTURES; AND TECHNIQUES FOR CUTTING, SPLICING, AND MODIFYING MOVING-PICTURE FILMS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
029.280-010	PHOTO-OPTICS TECHNICIAN	5	4	3	6	L46	I		3890	33900	10081899	225
143.382-010	CAMERA OPERATOR, ANIMATION	4	3	3	6	L46	I	48.0204	3260	25299	10221801	189
962.264-010	EDITOR, FILM	5	2	4	8	S46	I	10.0102 10.0104	3312	25440	10221202	195
976.131-010	LABORATORY CHIEF	4	2	3	8	L456	I		7100	55B29	50040003	633
976.131-014	SUPERVISOR, FILM PROCESSING	4	3	3	7	L46	I	06.2001	7100	55B29	50040003	633
976.131-022	SUPERVISOR, QUALITY CONTROL	4	3	3	7	L456	I	06.2001	6700	55B29	50040003	633
976.134-010	SUPERVISOR, CUTTING AND SPLICING	4	2	3	6	L456	I	06.2001	7100	55B29	50040003	633
976.137-010	PHOTOGRAPHIC SUPERVISOR	4	2	3	7	L56	I	06.2001	7100	55B29	50040003	633
976.381-010	FILM LABORATORY TECHNICIAN 1	4	4	4	7	L46	I	48.0207	6868	39000	10141404	774
976.382-010	CAMERA OPERATOR, TITLE	4	3	3	7	L4	I	48.0207	7671	52900	61084400	774

PROGRAM: 10.0104 RADIO AND TELEVISION PRODUCTION AND BROADCASTING TECHNOLOGY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO SUPPORT BROADCAST MANAGERS IN THE PRODUCTION OF MATERIALS AND THE PRODUCTION AND BROADCASTING OF MATERIALS OR PROGRAMS. INCLUDES INSTRUCTION IN THE EQUIPMENT, PROCESSES, AND PROCEDURES USED IN PRODUCING AND MAKING RADIO OR TELEVISION BROADCASTS; VARIOUS COMPONENTS, SPECIALIZED EQUIPMENT, AND SYSTEMS OF DEVICES EMPLOYED IN BROADCAST OPERATIONS; ELECTRONIC COMMUNICATION, BOTH RADIO AND TELEVISION; SCRIPT AND PROGRAM PREPARATION; PHOTOGRAPHIC AND AUDIORECORDING OF MATERIAL TO BE BROADCAST; MONITORING, MODULATING, AND CONTROLLING THE BROADCAST PROCESS; AND RECORDING AND STORING BROADCAST MATERIALS.

DICTIONARY OF OCCUPATIONAL TITLES	FOURTH EDITION	GED			S V P	PHYSICAL	WORKING	OTHER C I P	1980 SOC	O E S SURVEY	MATRIX	1980 CENSUS
CODE	TITLE	R	M	L		DEMANDS	CONDITIONS	PROGRAM	CODE	CODE	CODE	CODE
193.167-014	FIELD SUPERVISOR, BROADCAST	5	4	5	7	L5	B		3930	34027	10141000	228
193.167-018	SUPERINTENDENT, RADIO COMMUNICATIONS	5	4	5	8	S56	I		1139	34027	10141000	005
193.262-018	FIELD ENGINEER	5	4	5	7	L456	B		3930	32017	10080808	228
193.262-038	TRANSMITTER OPERATOR	4	4	4	7	L456	I		3930	32017	10080808	228
194.262-010	AUDIO OPERATOR	4	4	3	7	L456	I		3930	32017	10080808	228
194.262-014	SOUND CONTROLLER	4	4	3	7	L45	I		3719	32015	10080801	216
194.262-018	SOUND MIXER	4	4	3	7	S45	I	10.0102	3719	32015	10080801	216
194.282-010	VIDEO OPERATOR	5	4	5	7	S456	I		3930	32017	10080808	228
194.362-010	RECORDING ENGINEER	3	3	3	7	L45	I		3719	32015 32016	10080801 10080802	216
194.362-014	RERECORDING MIXER	4	4	4	7	S456	I	10.0102	3719	32015	10080801	216
194.362-018	TELECINE OPERATOR	4	4	3	7	S456	I		3930	32017	10080808	228
199.387-010	TELEVISION-SCHEDULE COORDINATOR	4	3	4	4	S46	I		3990	61386	40066826	235
714.131-010	SUPERVISOR, MOTION-PICTURE EQUIPMENT	4	4	4	8	L456	I	06.2001 10.0102	7100	55B29	50040003	633
823.131-022	SUPERVISOR, RADIO INTERFERENCE	4	4	4	8	L456	I6	06.2001 15.0303	6000	55B29	50040003	503
962.134-010	RECORDIST, CHIEF	4	3	4	7	L456	I	10.0102	7100	55B29	50040003	633
962.137-014	SUPERVISING FILM EDITOR	5	3	5	8	S56	I	10.0102	7100	55B29	50040003	633
962.162-010	DIRECTOR, TECHNICAL	5	2	4	8	L456	I	10.0102	1341	25483	10243802	019
962.167-010	MANAGER, SOUND EFFECTS	5	4	5	7	S5	I	10.0102	3719	32015	10080801	216
962.167-014	PROGRAM ASSISTANT	4	2	3	5	L45	I		3240	61385	40066847	187
962.167-018	PROPERTY COORDINATOR	4	1	3	7	V23456	I		3240	59001	50144899	187
962.264-010	EDITOR, FILM	5	2	4	8	S46	I	10.0102 10.0103	3312	25440	10221202	195
962.281-014	SOUND-EFFECTS TECHNICIAN	4	3	4	6	L45	I		3990	32015	10080801	235
962.362-014	LIGHT TECHNICIAN	4	2	3	7	L46	I	10.0102	3990	32018	10081815	235

PROGRAM: 10.0199 COMMUNICATION TECHNOLOGIES, OTHER.

ANY INSTRUCTIONAL PROGRAM IN COMMUNICATION TECHNOLOGIES NOT DESCRIBED ABOVE.

PROGRAM: 11.0200 COMPUTER PROGRAMMING.
A GROUP OF INSTRUCTIONAL PROGRAMS. (SEE 11.0201)

PROGRAM: 11.0201 COMPUTER PROGRAMMING.
AN INSTRUCTIONAL PROGRAM THAT DESCRIBES THE METHODS AND PROCEDURES USED IN FLOW CHARTING AND WRITING INSTRUCTIONS IN COMPUTER LANGUAGE FOR THE DIRECTION OF COMPUTER OPERATION IN THE SOLUTION OF A PROBLEM.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
007.167-018	TOOL PROGRAMER, NUMERICAL CONTROL	5 4 4	8	S6	I	11.0301	3974	32011	10141200	233
020.167-022	PROGRAMER, ENGINEERING AND SCIENTIFIC	6 6 6	8	S56	I	11.0301	3972	31002	10160200	229
020.187-014	PROGRAMER, PROCESS CONTROL	5 5 5	7	S6	I	07.0305 11.0301	3974	31002	10160200	233
219.367-026	PROGRAMER, DETAIL	4 3 4	5	S46	I	07.0305 11.0301	4699	31001	10160200	336

PROGRAM: 11.0300 DATA PROCESSING.
A GROUP OF INSTRUCTIONAL PROGRAMS (SEE 11.0301).

PROGRAM: 11.0301 DATA PROCESSING.
AN INSTRUCTIONAL PROGRAM THAT DESCRIBES COMPUTERS AND COMPUTER PROGRAMMING.

SEE 11.0201, COMPUTER PROGRAMMING, ABOVE ON THIS PAGE.

PROGRAM: 11.0500 SYSTEMS ANALYSIS.
A GROUP OF INSTRUCTIONAL PROGRAMS. (SEE 11.0501)

PROGRAM: 11.0501 SYSTEMS ANALYSIS.

AN INSTRUCTIONAL PROGRAM THAT DESCRIBES THE PRINCIPLES AND TECHNIQUES INVOLVED IN THE DESIGN OF LARGE-SCALE COMPUTER PROGRAMS. INCLUDES INSTRUCTION IN MODELING, FLOW CHARTING, DATA ORGANIZATION, AND THE IMPACT OF THE PROGRAMS ON ORGANIZATIONAL OBJECTIVES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
109.067-010	INFORMATION SCIENTIST	5 5 5	7	S6	I	07.0306	1719	24002	10160400	064

PROGRAM: 12.0300 FUNERAL SERVICES. (MORTUARY SCIENCE TECHNOLOGY)

A GROUP OF INSTRUCTIONAL PROGRAMS. (SEE 12.0301)

PROGRAM: 12.0301 FUNERAL SERVICES. (MORTUARY SCIENCE TECHNOLOGY)

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO PERFORM SANITARY AND EMBALMING PREPARATIONS OF INTERMENT, IN CONFORMITY WITH LEGAL REQUIREMENTS. INCLUDES INSTRUCTION IN HUMAN PHYSIOLOGY AND ANATOMY, WITH PARTICULAR EMPHASIS ON THE CIRCULATORY SYSTEM; THE UNDERLYING CHEMISTRY AND APPLICATION OF EMBALMING COMPOUNDS AND PRODUCTS; THE PROCEDURES, TECHNIQUES, AND METHODS USED IN EMBALMING AND PREPARATION FOR INTERMENT, WITH SPECIAL EMPHASIS ON SANITATION AND ON POTENTIAL PATHOLOGICAL HAZARDS AND PRECAUTIONS; AND THE MATERIALS AND TECHNIQUES OF APPLIED COSMETOLOGY USED IN PREPARATION FOR INTERMENT.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
168.267-078	MORTICIAN INVESTIGATOR	4 3 4	6	L56	I		1473	10001	20040800	036
187.167-030	DIRECTOR, FUNERAL	4 4 4	7	L456	B	06.1401 08.0203	1359	19000	20061699	018
338.371-010	EMBALMER APPRENTICE	4 4 4	7	H346	I67		3990	25437	10140600	235
338.371-014	EMBALMER	4 4 4	7	H346	I67		3990	25437	10140600	235

PROGRAM: 15.0000 ENGINEERING AND ENGINEERING-RELATED TECHNOLOGIES.

A SUMMARY OF GROUPS OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS TO SUPPORT AND ASSIST ENGINEERS AND OTHER PROFESSIONALS. PROGRAMS STRESS SPECIALIZED, PRACTICAL KNOWLEDGE RELATED TO THE MATHEMATICAL, SCIENTIFIC, OR TECHNICAL ASPECTS OF ENGINEERING AND RELATED SCIENCES.

PROGRAM: 15.0100 ARCHITECTURAL TECHNOLOGIES.

A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS TO SUPPORT AND ASSIST ARCHITECTS AND ARCHITECTURAL ENGINEERS. PROGRAMS STRESS SPECIALIZED, PRACTICAL KNOWLEDGE RELATED TO THE MATHEMATICAL, SCIENTIFIC, OR TECHNICAL ASPECTS OF ARCHITECTURE AND ARCHITECTURAL ENGINEERING.

PROGRAM: 15.0101 ARCHITECTURAL DESIGN AND CONSTRUCTION TECHNOLOGY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ASSIST THE ARCHITECT AND ARCHITECTURAL ENGINEER IN PLANNING AND DESIGNING STRUCTURES AND BUILDINGS; TESTING MATERIALS; CONSTRUCTING AND INSPECTING STRUCTURES; MODEL BUILDING AND DESIGN ESTIMATING; UTILIZING, TRANSPORTING, AND STORING CONSTRUCTION MATERIALS; AND DEALING WITH CONTRACTS AND SPECIFICATIONS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
001.261-014	DRAFTER, LANDSCAPE	4 4 3	7	S46	I	15.0202 48.0102	3720	32003	10080601	217
017.261-038	DRAFTER, PLUMBING	5 5 4	7	S46	I	15.0202 48.0102	3720	32003	10080601	217
019.267-010	SPECIFICATION WRITER	5 4 4	7	S6	I	15.0603 15.0604	3719	32014	10081898	216
160.267-018	ESTIMATOR	4 3 4	7	S56	I	15.0603 15.0604	1490	25427	10243808	037
168.167-030	INSPECTOR, BUILDING	5 4 4	7	L2356	B	43.0201 46.0403	1472	10009	20040400	035
168.167-050	INSPECTOR, PLUMBING	5 4 4	7	L2356	B	46.0403 46.0503	1472	10009	20040400	035
168.267-010	BUILDING INSPECTOR	4 3 4	7	L26	B	15.0608 15.0701 46.0403	1472	25536	10243823	035
182.267-010	CONSTRUCTION INSPECTOR	4 4 3	6	L23456	B56	46.0403	1472	10009	20040400	035

PROGRAM: 15.0102 ARCHITECTURAL INTERIOR DESIGN TECHNOLOGY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ASSIST ARCHITECTS IN PLANNING AND DESIGNING INTERIOR LAYOUTS. INCLUDES INSTRUCTION IN DESIGNING ARCHITECTURAL STRUCTURES; ANALYZING AND USING VARIOUS TYPES OF COLORS OF FLOOR, WALL AND CEILING COVERINGS; WINDOWS AND DOORS; ACOUSTICAL MATERIALS; FUNCTIONAL FURNISHINGS; ELECTRICAL, HEATING, COOLING, AND OTHER OUTLETS; AND IN ASSESSING COSTS RELATED TO DESIGN AND FURNISHINGS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
019.261-018	FACILITIES PLANNER	5 5 5	7	L456	I		3890	39000	10141404	225
142.051-014	INTERIOR DESIGNER	5 3 4	7	L456	I	04.0501 20.0505	3220	25489	10221001	183

PROGRAM: 15.0199 ARCHITECTURAL TECHNOLOGIES, OTHER.

ANY INSTRUCTIONAL PROGRAM IN ARCHITECTURAL TECHNOLOGIES NOT DESCRIBED ABOVE.

PROGRAM: 15.0200 CIVIL TECHNOLOGIES.

A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS TO SUPPORT AND ASSIST CIVIL ENGINEERS AND URBAN PLANNERS. PROGRAMS STRESS SPECIALIZED, PRACTICAL KNOWLEDGE RELATED TO THE MATHEMATICAL, SCIENTIFIC, OR TECHNICAL ASPECTS OF CIVIL ENGINEERING AND URBAN PLANNING.

PROGRAM: 15.0201 CIVIL TECHNOLOGY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ASSIST A CIVIL ENGINEER IN DESIGNING, SURVEYING, MATERIALS CONTROL, TESTING, AND BUILDING OF VARIOUS STRUCTURES. INCLUDES INSTRUCTION IN PHYSICAL SCIENCES, MATHEMATICS; SURVEYING; LAYING OUT ROADWAYS; PREPARING PLANS AND SPECIFICATIONS FOR THE CONSTRUCTION OF HIGHWAYS, RAILROADS, BUILDINGS, DAMS, AND AIRPORTS; STRUCTURAL DETAILING AND DESIGN TESTING; CONSTRUCTION ESTIMATING; AND OPERATIONS MANAGEMENT.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
000.000-000									3719	32020	10081816	216
005.281-010	DRAFTER, CIVIL	5	5	4	7	S46	I	15.0202 48.0103	3720	32003	10080601	217
005.281-014	DRAFTER, STRUCTURAL	5	5	4	7	S46	I	15.0202 48.0103	3720	32003	10080601	217
017.261-018	DETAILER	4	4	4	7	S46	I	15.0202 48.0105	3720	32003	10080601	217
017.261-026	DRAFTER, COMMERCIAL	5	5	4	6	S46	I	15.0202 48.0102	3720	32003	10080601	217
017.281-018	DRAFTER, ASSISTANT	4	4	3	7	S46	I	15.0202 48.0102 48.0103 48.0104 48.0105	3720	32003	10080601	217
018.131-010	SUPERVISOR, CARTOGRAPHY	5	5	5	8	S456	I	15.0202 15.0203	3734	39000	10141404	218
018.167-010	CHIEF OF PARTY	5	5	4	7	L2456	O	15.0203	3733	32008	10081600	218
018.167-014	GEODETIC COMPUTER	5	5	4	6	S46	I		3739	32008	10081600	218
018.167-018	LAND SURVEYOR	5	5	4	7	L2456	O	15.0203	1643	32008	10081600	063
018.167-022	MANAGER, LAND SURVEYING	5	5	4	8	L456	I	15.0203	1643	19000	20061699	063
018.167-034	SURVEYOR ASSISTANT, INSTRUMENTS	5	5	4	7	L456	O	01.0206 15.0203 15.0901 15.0902	3733	32008	10081600	218
018.167-046	SURVEYOR, MARINE	5	5	4	7	M456	O	15.0203 41.0305	1649	32008	10081600	063
018.262-010	FIELD-MAP EDITOR	4	3	3	6	L4	B	15.0203	1644	32008	10081600	063
850.387-010	INSPECTOR OF DREDGING	4	3	3	6	L6	05	46.0403	1472	10009	20040400	035

PROGRAM: 15.0202 DRAFTING AND DESIGN TECHNOLOGY. AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ASSIST MATHEMATICAL, ELECTRICAL AND ELECTRONIC, ARCHITECTURAL, CHEMICAL, CIVIL, OR OTHER ENGINEERS IN THE DESIGN AND DRAFTING OF ELECTRICAL CIRCUITS, MACHINES, STRUCTURES, WELDMENTS, OR ARCHITECTURAL PLANS. INCLUDES INSTRUCTION IN THE PREPARATION OF ENGINEERING PLANS, LAYOUTS, AND DETAILED DRAWINGS ACCORDING TO CONVENTIONAL PROJECTION PRINCIPLES AND TECHNIQUES OR AS SPECIFIED; PREPARATION OF CHARTS, GRAPHS OR DIAGRAMS; MODEL MAKING; AND THE USE OF HANDBOOK DATA GERMANE TO DESIGN AND DRAFTING IN VARIOUS ENGINEERING FIELDS.

DICTIONARY OF OCCUPATIONAL TITLES CODE	FOURTH EDITION TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
001.261-010	DRAFTER, ARCHITECTURAL	4	4	3	7	S46	I	48.0102	3720	32003	10080601	217
001.261-014	DRAFTER, LANDSCAPE	4	4	3	7	S46	I	15.0101 48.0102	3720	32003	10080601	217
002.261-010	DRAFTER, AERONAUTICAL	5	5	4	7	S46	I	48.0105	3720	32003	10080601	217
005.281-010	DRAFTER, CIVIL	5	5	4	7	S46	I	15.0201 48.0103	3720	32003	10080601	217
005.281-014	DRAFTER, STRUCTURAL	5	5	4	7	S46	I	15.0201 48.0103	3720	32003	10080601	217
007.161-018	ENGINEERING ASSISTANT, MECHANICAL EQUIPM	5	5	5	7	S46	I	15.0805 48.0105	3720	32003	10086601	217
007.167-010	DIE-DRAWING CHECKER	5	5	4	7	S6	I	48.0105	1635	32900	10081898	057
007.261-014	DRAFTER, CASTINGS	4	4	4	7	S46	I	48.0105	3720	32003	10080601	217
007.261-018	DRAFTER, PATENT	5	5	5	7	S46	I	48.0105	3720	32003	10080601	217
007.261-022	DRAFTER, TOOL DESIGN	5	5	5	7	S46	I	48.0105	3720	32003	10080601	217
007.281-010	DRAFTER, MECHANICAL	5	5	5	7	S46	I	15.0805 48.0105	3720	32003	10080601	217
014.281-010	DRAFTER, MARINE	5	5	4	7	S46	I	48.0103	3720	32003	10080601	217
017.161-010	DRAFTER, CHIEF, DESIGN	5	5	5	8	L456	I	15.0805	3720	32003	10080601	217
017.261-010	AUTO-DESIGN CHECKER	5	4	4	8	L56	I	15.0803	3713	32003	10080601	215
017.261-014	DESIGN DRAFTER, ELECTROMECHANISMS	5	5	4	7	S46	I	48.0104	3720	32003	10080601	217
017.261-018	DETAILER	4	4	4	7	S46	I	15.0201 48.0105	3720	32003	10080601	217
017.261-026	DRAFTER, COMMERCIAL	5	5	4	6	S46	I	15.0201 48.0102	3720	32003	10080601	217
017.261-030	DRAFTER, DETAIL	4	4	4	7	S46	I	48.0102 48.0103 48.0105	3720	32003	10080601	217
017.261-034	DRAFTER, HEATING AND VENTILATING	5	5	4	7	S46	I	15.0501 48.0102	3720	32003	10080601	217
017.261-038	DRAFTER, PLUMBING	5	5	4	7	S46	I	15.0101 48.0102	3720	32003	10080601	217
017.281-010	AUTO-DESIGN DETAILER	4	4	3	6	L46	I	48.0105	3720	32003	10080601	217
017.281-014	DRAFTER APPRENTICE	5	5	4	7	S46	I	48.0102 48.0103 48.0104 48.0105	3720	32003	10080601	217
017.281-018	DRAFTER, ASSISTANT	4	4	3	7	S46	I	15.0201 48.0102 48.0103 48.0104 48.0105	3720	32003	10080601	217

*** PROGRAM: 15.0202 DRAFTING AND DESIGN TECHNOLOGY. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED			SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
		R	M	L								
017.281-022	DRAFTER, AUTOMOTIVE DESIGN	5	4	4	7	L456	I	15.0803 48.0105	3720	32003	10080601	217
017.281-026	DRAFTER, AUTOMOTIVE DESIGN LAY-OUT	4	4	3	7	L46	I	48.0105	3720	32003	10080601	217
017.281-030	DRAFTER, OIL AND GAS	4	4	3	7	L46	I	15.0903 48.0102 48.0103 48.0105	3720	32003	10080601	217
017.281-034	TECHNICAL ILLUSTRATOR	5	3	4	7	S46	I		3720	32003	10080601	217
018.131-010	SUPERVISOR, CARTOGRAPHY	5	5	5	8	S456	I	15.0201 15.0203	3734	39000	10141404	218
019.261-014	ESTIMATOR AND DRAFTER	5	5	5	7	L45	B	48.0102 48.0103 48.0104	3720	32021	10080602	217

PROGRAM: 15.0203 SURVEYING AND MAPPING TECHNOLOGY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO TECHNICALLY ASSIST CIVIL ENGINEERS AND URBAN PLANNERS IN THE DETERMINATION AND DESCRIPTION OF THE SHAPE, CONTOUR, LOCATION, AND DIMENSIONS OF GEOGRAPHIC AREAS OR FEATURES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED			SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
		R	M	L								
010.281-014	DRAFTER, GEOLOGICAL	5	5	5	6	S46	I	48.0103	3720	32003	10080601	217
010.281-018	DRAFTER, GEOPHYSICAL	5	5	5	7	L46	I	48.0103	3720	32003	10080601	217
018.131-010	SUPERVISOR, CARTOGRAPHY	5	5	5	8	S456	I	15.0201 15.0202	3734	39000	10141404	218
018.167-010	CHIEF OF PARTY	5	5	4	7	L2456	O	15.0201	3733	32008	10081600	218
018.167-018	LAND SURVEYOR	5	5	4	7	L2456	O	15.0201	1643	32008	10081600	063
018.167-022	MANAGER, LAND SURVEYING	5	5	4	8	L456	I	15.0201	1643	19000	20061699	063
018.167-030	SUPERVISOR, MAPPING	4	4	4	7	S5	I		3734	39000	10141404	218
018.167-034	SURVEYOR ASSISTANT, INSTRUMENTS	5	5	4	7	L456	O	01.0206 15.0201 15.0901 15.0902	3733	32008	10081600	218
018.167-038	SURVEYOR, GEODETIC	5	5	4	7	L456	B		1649	32008	10081600	063
018.167-042	SURVEYOR, GEOPHYSICAL PROSPECTING	5	4	4	6	L46	O	15.0903	1649	32008	10081600	063
018.167-046	SURVEYOR, MARINE	5	5	4	7	M456	O	15.0201 41.0305	1649	32008	10081600	063
018.167-050	SURVEYOR, MINE	5	5	4	7	L456	B	15.0901 15.0902	1649	32008	10081600	063
018.261-010	DRAFTER, CARTOGRAPHIC	4	4	3	7	S46	I	48.0103	3734	32003	10080601	218
018.261-014	DRAFTER, TOPOGRAPHICAL	5	5	5	7	S46	I	48.0103	3734	32003	10080601	218
018.261-018	EDITOR, MAP	4	4	4	7	L46	I		3734	32008	10081600	218
018.261-022	MOSAICIST	4	4	4	7	S46	I		3734	32008	10081600	218
018.261-026	PHOTOGRAMMETRIST	4	4	4	7	S46	I		3739	32008	10081600	218
018.262-010	FIELD-MAP EDITOR	4	3	3	6	L4	B	15.0201	1644	32008	10081600	063
018.281-010	STEREO-PLOTTER OPERATOR	4	4	4	7	L46	I	48.0103	3734	32003	10080601	218

PROGRAM: 15.0204 URBAN PLANNING TECHNOLOGY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO WORK AS TEAM MEMBERS WITH CIVIL ENGINEERS, SOCIAL SCIENTISTS, AND URBAN-PLANNING PROFESSIONALS. INCLUDES INSTRUCTION IN METHODS USED IN URBAN DESIGN AND LAND UTILIZATION ; METHODS OF DEMOGRAPHIC STUDY, INCLUDING POPULATION GROWTH, TRANSPORATION IN URBAN SETTINGS, AND HOUSING; BUILDING AND CONSTRUCTION CODES AND REGULATIONS; URBAN TRAFFIC MANAGEMENT AND CONTROL; DISTRIBUTION OF WATER AND WASTE WATER SYSTEMS; ELECTRICAL SYSTEMS RELATING TO THE OVERALL PLANNING FOR REDEVELOPMENT OF AN URBAN AREA; URBAN MAPPING AND ENGINEERING DRAWING; READING ARCHITECTURAL OR ENGINEERING DRAWINGS; METHODS OF URBAN GROWTH DETERMINATION AND PROJECTION; COST DETERMINATION ; ANALYSIS AND COMPARISON OF DIFFERENT TYPES OF CONFIGURATIONS AND THE SOCIOLOGICAL ASPECTS OF HOUSING, TRANSPORTATION, RECREATION, PARK AND LIVING SPACE, EMPLOYMENT, AND LOGISTICS IN AN URBAN SETTING.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
199.267-030	TRAFFIC TECHNICIAN	5	4	5	7	L456	B5	43.0105	3990	32012	10081813	235
199.364-010	CITY PLANNING AIDE	4	4	4	6	L56	B		3990	39000	10141404	235
249.167-010	AUTOMOBILE-CLUB-SAFETY-PROGRAM COORDINAT	4	3	4	6	S5	I		4514	61900	40066898	303

PROGRAM: 15.0299 CIVIL TECHNOLOGIES, OTHER.

ANY INSTRUCTIONAL PROGRAM IN CIVIL TECHNOLOGIES NOT DESCRIBED ABOVE.

PROGRAM: 15.0300 ELECTRICAL AND ELECTRONIC TECHNOLOGIES.

A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS TO SUPPORT AND ASSIST ELECTRICAL AND ELECTRONIC ENGINEERS, AND OTHER ENGINEERS AND SCIENTISTS CONCERNED WITH THE DEVELOPMENT OF LASERS. PROGRAMS STRESS SPECIALIZED, PRACTICAL KNOWLEDGE RELATED TO THE MECHANICAL, MATHEMATICAL, SCIENTIFIC, OR TECHNICAL ASPECTS OF ELECTRICAL ENGINEERING, ELECTRONIC ENGINEERING AND LASER DEVELOPMENT.

PROGRAM: 15.0301 COMPUTER TECHNOLOGY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO SUPPORT ENGINEERS AND SCIENTISTS IN THE DESIGN, DEVELOPMENT, AND TESTING OF COMPUTER AND PERIPHERAL DEVICES. INCLUDES INSTRUCTION IN ELECTRONIC CIRCUITRY; PROTOTYPE DEVELOPMENT AND TESTING; SYSTEMS DESIGN, SELECTION, INSTALLATION, AND TESTING; SOLID STATE AND MICROMINIATURE CIRCUITRY TO DATA STORAGE DEVICES, AND THE PREPARATION OF REPORTS AND DOCUMENTATION OF TESTS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
019.161-014	TEST TECHNICIAN	5	4	4	7	L46	I	15.0401 15.0402 15.0403 15.0404 15.0603 15.0610 15.0702 15.0801 15.0802 15.0803 15.0805	3719	32900	10081898	216

PROGRAM: 15.0302 ELECTRICAL TECHNOLOGY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO SUPPORT AN ELECTRICAL ENGINEER IN THE DESIGN, DEVELOPMENT, AND TESTING OF ELECTRICAL CIRCUITS, DEVICES, AND SYSTEMS FOR GENERATING ELECTRICITY AND DISTRIBUTING ELECTRICAL POWER. INCLUDES INSTRUCTION IN MODEL AND PROTOTYPE DEVELOPMENT AND TESTING; SYSTEMS ANALYSIS AND INTEGRATION, INCLUDING DESIGN, DEVELOPMENT OF CORRECTIVE AND PREVENTIVE MAINTENANCE TECHNIQUES; APPLICATION OF ENGINEERING DATA; AND THE PREPARATION OF REPORTS AND TEST RESULTS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
003.161-010	ELECTRICAL TECHNICIAN	4	4	4	7	L46	I		3711	32004	10080803	213
019.161-010	SUPERVISOR, ESTIMATOR AND DRAFTER	5	5	5	8	S456	I		1639	55B29	50040003	059
019.281-010	CALIBRATION LABORATORY TECHNICIAN	5	5	4	7	L3456	B6	15.0303 15.0403 15.0404 15.0801	3711	32004	10080803	213
168.167-034	INSPECTOR, ELECTRICAL	5	4	4	7	L2356	B	43.0201 46.0302 46.0403	1472	10009	20040400	035
726.281-010	ELECTRICIAN, RESEARCH	4	3	3	7	L46	I	15.0801	3990	39000	10141404	235
728.281-010	ELECTRIC-CABLE DIAGRAMER	4	3	3	6	L46	I		6157	62900	40066899	527
729.381-010	ELECTRICAL-EQUIPMENT TESTER	3	3	3	6	L46	I		6881	55Q57	50142205	689
821.261-018	RELAY TECHNICIAN	4	4	3	8	L246	B56	46.0303	6153	55B12	50021401	523
822.261-014	EQUIPMENT INSPECTOR	4	4	3	8	L45	I	47.0103	6881	55B58	50142202	689
822.261-018	MAINTENANCE INSPECTOR	4	3	3	8	M45	I		6881	55B58	50142202	689
822.261-026	TESTING-AND-REGULATING TECHNICIAN	4	3	3	7	L4	I	47.0103	6881	55A14	50121006	689
828.261-018	SENIOR TECHNICIAN, CONTROLS	4	4	4	7	L3456	I5	47.0504	6159	32900	10081898	533

PROGRAM: 15.0303 ELECTRONIC TECHNOLOGY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO SUPPORT THE ELECTRONIC ENGINEER AND OTHER PROFESSIONALS IN THE DESIGN, DEVELOPMENT, MODIFICATION, AND TESTING OF ELECTRONIC CIRCUITS, DEVICES, AND SYSTEMS. INCLUDES INSTRUCTION IN PRACTICAL CIRCUIT FEASIBILITY; PROTOTYPE DEVELOPMENT AND TESTING; SYSTEMS ANALYSIS, INCLUDING DESIGN, SELECTION, INSTALLATION, CALIBRATION, AND TESTING; SOLID-STATE AND MICROMINIATURE CIRCUITS; AND THE APPLICATION OF ENGINEERING DATA TO SPECIFIC PROBLEMS IN THE ELECTRONICS FIELD.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
003.161-014	ELECTRONICS TECHNICIAN	5	5	4	7	L46	I		3711	32004	10080803	213
003.161-018	SEMICONDUCTOR-DEVELOPMENT TECHNICIAN	5	5	4	7	L46	I		3711	32004	10080803	213
019.281-010	CALIBRATION LABORATORY TECHNICIAN	5	5	4	7	L3456	B6	15.0302 15.0403 15.0404 15.0801	3711	32004	10080803	213
184.167-230	SUPERVISOR OF COMMUNICATIONS	4	4	4	8	S45	I		1341	19000	20061699	019
599.380-010	EXHAUST EQUIPMENT SET-UP MECHANIC	4	4	4	6	L46	I6		7479	59002	63000000	777
726.130-010	SUPERVISOR, ELECTRONICS	4	3	3	7	L456	I	06.2001	7100	55B29	50040003	633
726.261-010	ELECTRONICS ASSEMBLER, DEVELOPMENTAL	4	4	4	7	L456	I	15.0402 47.0103 47.0104 47.0105	3990	39000	10141404	235

*** PROGRAM: 15.0303 ELECTRONIC TECHNOLOGY. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES CODE	FOURTH EDITION TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
726.281-014	ELECTRONICS TESTER 1	4	4	3	7	L346	I	47.0103 47.0104 47.0105	6881	55457	50142205	689
823.131-010	COMMUNICATIONS ELECTRICIAN SUPERVISOR	4	4	4	8	M456	I	06.2001	6000	55B29	50040003	503
823.131-022	SUPERVISOR, RADIO INTERFERENCE	4	4	4	8	L456	I6	06.2001 10.0104	6000	55B29	50040003	503
828.161-010	SUPERVISOR, ELECTRONICS SYSTEMS MAINTENA	5	5	4	8	L456	B		6000	55B29	50040003	503
828.251-010	ELECTRONIC-SALES-AND-SERVICE TECHNICIAN	4	3	3	7	M46	I	15.0402 47.0103 47.0104 47.0105	6153	32004	10080803	523
828.261-014	FIELD ENGINEER	4	4	4	7	L45	B	15.0402 47.0103 47.0104	6153	51079	50081400	523
828.281-010	ELECTRONICS MECHANIC	4	4	4	7	L456	I	15.0402 47.0103 47.0104 47.0105	6153	51079	50081400	523

PROGRAM: 15.0304 LASER ELECTRO-OPTIC TECHNOLOGY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ASSIST ENGINEERS, SCIENTISTS, OR PLANT MANAGERS IN THE ASSEMBLY, INSTALLATION, TESTING, ADJUSTMENT, AND OPERATION OF VARIOUS TYPES OF LASERS FOR VARIOUS APPLICATIONS. INCLUDES INSTRUCTION IN SAFETY PRECAUTIONS AND THE OPTICAL, PHYSICAL, AND CHEMICAL THEORY AND APPLICATION OF EACH LASER DEVICE.

DICTIONARY OF OCCUPATIONAL TITLES CODE	FOURTH EDITION TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
019.181-010	LASER TECHNICIAN	5	4	4	7	L46	I		3890	33900	10081899	225

PROGRAM: 15.0399 ELECTRICAL AND ELECTRONIC TECHNOLOGIES, OTHER.

ANY INSTRUCTIONAL PROGRAM IN ELECTRICAL AND ELECTRONIC TECHNOLOGIES NOT DESCRIBED ABOVE.

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PROGRAM: 15.0400 ELECTROMECHANICAL INSTRUMENTATION AND MAINTENANCE TECHNOLOGIES.

A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS EITHER TO SUPPORT OR ASSIST MECHANICAL AND ELECTRICAL ENGINEERS, OR TO INSTALL AND SERVICE ELECTROMECHANICAL EQUIPMENT. PROGRAMS STRESS SPECIALIZED, PRACTICAL KNOWLEDGE RELATED TO THE MECHANICAL, MATHEMATICAL, SCIENTIFIC, OR TECHNICAL ASPECTS OF MECHANICAL AND ELECTRICAL ENGINEERING, BIOMEDICAL ENGINEERING, COMPUTER SCIENCE, AND INSTRUMENTATION DESIGN.

PROGRAM: 15.0401 BIOMEDICAL EQUIPMENT TECHNOLOGY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO MANUFACTURE, INSTALL, CALIBRATE, OPERATE, AND MAINTAIN SOPHISTICATED LIFE-SUPPORT EQUIPMENT FOUND IN HOSPITALS, MEDICAL CENTERS, AND RESEARCH LABORATORIES. INCLUDES INSTRUCTION IN THE USE OF TESTING AND DIAGNOSTIC INSTRUMENTS; CALIBRATING TECHNIQUES; POTENTIAL HAZARDS AND SAFETY PRECAUTIONS; AND METHODS OF INSTALLATION, REPAIR, MAINTENANCE, AND OPERATION OF THE EQUIPMENT.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
019.161-014	TEST TECHNICIAN	5	4	4	7	L46	I	15.0301 15.0402 15.0403 15.0404 15.0603 15.0610 15.0702 15.0801 15.0802 15.0803 15.0805	3719	32900	10081898	216
019.261-010	BIOMEDICAL EQUIPMENT TECHNICIAN	4	4	4	6	L46	I		3890	51024	50083224	225
712.261-010	MEDICAL-APPARATUS MODEL MAKER	4	4	4	6	L46	I	15.0403	6869	39000	10141404	684
719.261-010	BIOMEDICAL EQUIPMENT TECHNICIAN	5	5	3	7	M3456	I		6179	51024	50083224	547
729.281-030	ELECTROMEDICAL-EQUIPMENT REPAIRER	4	3	3	6	M46	I		6171	51024	50083224	535
729.281-046	X-RAY-EQUIPMENT TESTER	4	3	3	6	L4	I6	47.0503	6881	55957	50142205	689
829.261-014	DENTAL-EQUIPMENT INSTALLER AND SERVICER	4	4	3	6	M3456	I	47.0106	6179	51024	50083224	547

PROGRAM: 15.0402 COMPUTER SERVICING TECHNOLOGY. AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO INSTALL, PROGRAM, OPERATE, MAINTAIN, SERVICE, AND DIAGNOSE OPERATIONAL PROBLEMS IN COMPUTER SYSTEMS ARISING FROM MECHANICAL OR ELECTRICAL MALFUNCTIONS IN COMPUTER UNITS OR SYSTEMS. INCLUDES INSTRUCTION IN THE UNDERLYING PHYSICAL SCIENCES AND SUPPORTING MATHEMATICS OF COMPUTER DESIGN, INSTALLATION, CONSTRUCTION, PROGRAMMING, OPERATION, MAINTENANCE, AND FUNCTIONAL DIAGNOSIS, AND HOW TO DETECT, ISOLATE, AND CORRECT MALFUNCTIONS. PROGRAMS DESCRIBE THE ELECTRICAL AND ELECTRONIC CIRCUITS AND MECHANICAL DEVICES USED IN COMPUTER CONSTRUCTION AND THEIR COMBINATION INTO SYSTEMS IN INDIVIDUAL COMPUTERS OR COMPUTING INSTALLATIONS, AS WELL AS INSTRUMENTS USED TO DETECT WEAKNESSES OR FAILURES IN ELECTRICAL SYSTEMS IN COMPUTERS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
019.161-014	TEST TECHNICIAN	5	4	4	7	L46	I	15.0301 15.0401 15.0403 15.0404 15.0603 15.0610 15.0702 15.0801 15.0802 15.0803 15.0805	3719	32900	10081898	216
726.261-010	ELECTRONICS ASSEMBLER, DEVELOPMENTAL	4	4	4	7	L456	I	15.0303 47.0103 47.0104 47.0105	3990	39000	10141404	235
828.251-010	ELECTRONIC-SALES-AND-SERVICE TECHNICIAN	4	3	3	7	M46	I	15.0303 47.0103 47.0104 47.0105	6153	32004	10080803	523
828.261-014	FIELD ENGINEER	4	4	4	7	L45	B	15.0303 47.0103 47.0104	6153	51079	50081400	523
828.281-010	ELECTRONICS MECHANIC	4	4	4	7	L456	I	15.0303 47.0103 47.0104 47.0105	6153	51079	50081400	523
828.281-014	ELECTRONICS-MECHANIC APPRENTICE	4	4	4	7	L456	I	47.0103 47.0104 47.0105	6153	51079	50081400	523

PROGRAM: 15.0403 ELECTROMECHANICAL TECHNOLOGY.
----------------------------- AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ASSIST MECHANICAL AND ELECTRICAL ENGINEERS AND OTHER MANAGERS IN THE DESIGN, DEVELOPMENT AND TESTING OF ELECTROMECHANICAL DEVICES AND SYSTEMS SUCH AS PLANT AUTOMATION, AUTOMATED CONTROL SYSTEMS, SERVOMECHANISMS, VENDING MACHINES, ELEVATOR CONTROLS, MISSILE CONTROLS, TAPE-CONTROL MACHINES, AND AUXILIARY COMPUTER EQUIPMENT. INCLUDES INSTRUCTION IN ASSISTING WITH FEASIBILITY TESTING OF ENGINEERING CONCEPTS; SYSTEMS ANALYSIS (INCLUDING DESIGN, SELECTION, TESTING, AND APPLICATION OF ENGINEERING DATA); AND THE PREPARATION OF WRITTEN REPORTS AND TEST RESULTS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
003.261-010	INSTRUMENTATION TECHNICIAN	5	5	4	7	L46	I6	15.0404	3711	32004	10080803	213
019.161-014	TEST TECHNICIAN	5	4	4	7	L46	I	15.0301 15.0401 15.0402 15.0404 15.0603 15.0610 15.0702 15.0801 15.0802 15.0803 15.0805	3719	32900	10081898	216
019.281-010	CALIBRATION LABORATORY TECHNICIAN	5	5	4	7	L3456	B6	15.0302 15.0303 15.0404 15.0801	3711	32004	10080803	213
168.167-038	INSPECTOR, ELEVATORS	5	4	5	8	L236	I6	46.0403	1472	10009	20040400	035
184.167-194	SUPERINTENDENT, METERS	5	4	4	8	L5	I5		3711	55B29	50040003	213
184.167-218	SUPERINTENDENT, TESTS	5	5	4	9	S256	I35	15.0404	1343	19000	20061699	019
710.131-014	SUPERVISOR, INSTRUMENT MAINTENANCE	4	4	4	8	L456	I67	06.2001 15.0404	6700	55B29	50040003	633
710.131-018	SUPERVISOR, INSTRUMENT MECHANICS	4	4	4	8	L2456	I356	06.2001 15.0404	6000	55B29	50040003	503
710.131-022	SUPERVISOR, INSTRUMENT REPAIR	4	3	3	7	L23456	B5	06.2001 15.0404	6000	55B29	50040003	503
710.131-026	SUPERVISOR, METER REPAIR SHOP	4	3	4	8	L456	I	06.2001	6000	55B29	50040003	503
710.137-014	SUPERVISOR, METER-AND-REGULATOR SHOP	4	3	4	8	L456	B	06.2001	6000	55B29	50040003	503
710.281-018	ELECTROMECHANICAL TECHNICIAN	4	4	4	7	L46	I		6171	55E22	61080440	535
710.281-030	INSTRUMENT TECHNICIAN	4	3	3	8	L2346	I56	15.0404 47.0401 47.0502 47.0503	6171	55B62	50083221	535
712.261-010	MEDICAL-APPARATUS MODEL MAKER	4	4	4	6	L46	I	15.0401	6869	39000	10141404	684
806.381-030	ASSEMBLER, ELECTRO-MECHANICAL	4	3	3	7	M346	I		6812	55E22	61080440	636
809.382-010	BALANCING-MACHINE SET-UP WORKER	4	3	3	7	M46	I5		7479	59001	50144899	777
822.281-010	AUTOMATIC-EQUIPMENT TECHNICIAN	4	4	3	7	M2346	I5	47.0103	6151	55D11	50121004	523
825.131-014	ELEVATOR-CONSTRUCTOR SUPERVISOR	4	3	3	8	M23456	I6		6000	55B29	50040003	503
825.261-014	ELEVATOR EXAMINER-AND-ADJUSTER	4	3	3	8	L234	I6		6881	51081	50081801	689
869.261-014	MECHANICAL-TEST TECHNICIAN	4	3	3	7	M3456	B	15.0404	6881	55Q57	50142205	689
950.382-026	STATIONARY ENGINEER	4	4	3	7	M246	I3456	15.0501 47.0502	6931	55C91	50144014	696

*** PROGRAM: 15.0403 ELECTROMECHANICAL TECHNOLOGY. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
950.382-030	STATIONARY-ENGINEER APPRENTICE	4 4 3	7	M246	I3456	15.0501 47.0502	6931	55C91	50144014	696
953.281-010	FIELD-MECHANICAL-METER TESTER	4 4 4	8	M346	B6	47.0401	6175	55I57	50144824	539

PROGRAM: 15.0404 INSTRUCTIONAL TECHNOLOGY.

PROGRAM: 15.0404 INSTRUMENTATION TECHNOLOGY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO DESIGN, DEVELOP PROTOTYPES FOR, TEST, AND EVALUATE CONTROL OR MEASUREMENT DEVICES ON SYSTEMS, AND TO PREPARE GRAPHS, WRITTEN REPORTS, AND TEST RESULTS IN SUPPORT OF THE PROFESSIONAL PERSONNEL WORKING IN THE FIELD OF INSTRUMENTATION. INCLUDES INSTRUCTION IN THE FIELDS OF ELECTRICTY, ELECTRONICS, MECHANICS, PNEUMATICS, AND HYDRAULICS AS THEY PERTAIN TO THE PRINCIPLES OF CONTROL, RECORDING SYSTEMS, AUTOMATED DEVICES, AND THE CALIBRATION OF INSTRUMENTATION UNITS OR SYSTEMS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
003.261-010	INSTRUMENTATION TECHNICIAN	5 5 4	7	L46	I6	15.0403	3711	32004	10080803	213
019.161-014	TEST TECHNICIAN	5 4 4	7	L46	I	15.0301 15.0401 15.0402 15.0403 15.0603 15.0610 15.0702 15.0801 15.0802 15.0803 15.0805	3719	32900	10081898	216
019.281-010	CALIBRATION LABORATORY TECHNICIAN	5 5 4	7	L3456	B6	15.0302 15.0303 15.0403 15.0801	3711	32004	10080803	213
184.167-218	SUPERINTENDENT, TESTS	5 5 4	9	S256	I35	15.0403	1343	19000	20061699	019
710.131-014	SUPERVISOR, INSTRUMENT MAINTENANCE	4 4 4	8	L456	I67	06.2001 15.0403	6700	55B29	50040003	633
710.131-018	SUPERVISOR, INSTRUMENT MECHANICS	4 4 4	8	L2456	I356	06.2001 15.0403	6000	55B29	50040003	503
710.131-022	SUPERVISOR, INSTRUMENT REPAIR	4 3 3	7	L23456	B5	06.2001 15.0403	6000	55B29	50040003	503
710.131-034	SUPERVISOR, SHOP	4 3 3	8	L456	I	06.2001	7100	55B29	50040003	633
710.131-038	SUPERVISOR, SPECIAL ASSEMBLIES	4 3 3	8	L456	I		7100	55B29	50040003	633
710.137-010	SUPERVISOR, ASSEMBLY	4 3 3	7	L56	I	06.2001	6700	55B29	50040003	633
710.281-030	INSTRUMENT TECHNICIAN	4 3 3	8	L2346	I56	15.0403 47.0401 47.0502 47.0503	6171	55B62	50083221	535
710.381-034	INSPECTOR	4 3 3	6	L46	I5	47.0401	6881	55B58	50142202	689
869.261-014	MECHANICAL-TEST TECHNICIAN	4 3 3	7	M3456	B	15.0403	6881	55Q57	50142205	689

PROGRAM: 15.0499 ELECTROMECHANICAL INSTRUMENTATION AND MAINTENANCE TECHNOLOGIES, OTHER.

ANY INSTRUCTIONAL PROGRAM IN ELECTROMECHANICAL INSTRUMENTATION AND MAINTENANCE TECHNOLOGIES NOT DESCRIBED ABOVE.

PROGRAM: 15.0500 ENVIRONMENTAL CONTROL TECHNOLOGIES.

A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS TO ASSIST IN CONTROLLING EITHER THE INTERNAL TEMPERATURE OF COMMERCIAL AND INDUSTRIAL BUILDINGS, OR THE LEVELS OF TOXICITY OF INDUSTRIAL WASTES.

PROGRAM: 15.0501 AIR CONDITIONING, HEATING, AND REFRIGERATION TECHNOLOGY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO WORK IN ENGINEERING DEPARTMENTS OR INDEPENDENTLY AS ENTREPRENEURS CAPABLE OF DESIGNING, INSTALLING, MAINTAINING, AND OPERATING SMALL OR MEDIUM AIR-CONDITIONING, HEATING AND REFRIGERATION SYSTEMS. INSTRUCTION PREPARES INDIVIDUALS TO WORK IN A COMMERCIAL ORGANIZATION PERFORMING SPECIAL TASKS RELATING TO DESIGN, ASSEMBLY, INSTALLATION, SERVICING, OPERATION, AND MAINTENANCE OF HEATING OR COOLING SYSTEMS, ACCORDING TO THE STANDARDS OF THE AMERICAN SOCIETY OF HEATING, REFRIGERATION AND AIR CONDITIONING ENGINEERS, INC.. INCLUDES INSTRUCTION IN AIR-CONDITIONING; HEATING, AND REFRIGERATION DEVICES, EQUIPMENT, TECHNIQUES, AND SYSTEMS; EVALUATION OF AMOUNT OF HEATING, AIR-CONDITIONING, OR REFRIGERATION CAPACITY NEEDED TO ACCOMPLISH A PARTICULAR TASK; AND IN THE MAINTENANCE AND OPERATION OF A SYSTEM THAT MEETS THE REQUIREMENTS OF THE TASK.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
007.181-010	HEAT-TRANSFER TECHNICIAN	5	5	5	7	L46	B	15.0503	3713	32900	10081898	215
017.261-034	DRAFTER, HEATING AND VENTILATING	5	5	4	7	S46	I	15.0202 48.0102	3720	32003	10080601	217
168.167-046	INSPECTOR, HEATING AND REFRIGERATION	5	4	4	7	L236	I	43.0201 46.0403 47.0202 47.0203	1472	10009	20040400	035
950.131-010	REFRIGERATING ENGINEER, HEAD	4	3	4	7	L45	I	06.2001	6700	55B29	50040003	633
950.362-014	REFRIGERATING ENGINEER	4	3	3	7	M246	I456	47.0202	6931	55C91	50144014	696
950.382-026	STATIONARY ENGINEER	4	4	3	7	M246	I3456	15.0403 47.0502	6931	55C91	50144014	696
950.382-030	STATIONARY-ENGINEER APPRENTICE	4	4	3	7	M246	I3456	15.0403 47.0502	6931	55C91	50144014	696
959.131-010	HEATING-PLANT SUPERINTENDENT	4	3	3	8	L456	I	47.0203	6700	55B29	50040003	633

PROGRAM: 15.0502 AIR POLLUTION CONTROL TECHNOLOGY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO DETECT, MEASURE, AND CONTROL AIR POLLUTION. INCLUDES INSTRUCTION IN THE CHEMISTRY OF COMBUSTION FROM WHICH THE MAJORITY OF POLLUTING ELEMENTS IN THE AIR ARE DERIVED; THE MAJOR SOURCES OF AIR POLLUTION, SUCH AS INTERNAL COMBUSTION ENGINES, POWER PLANTS, AND INDUSTRIAL OR HOME USE OF FUELS; METHODS OF SAMPLING SMOKESTACKS; DETECTION AND SOURCE IDENTIFICATION AND ANALYSIS OF AIR POLLUTANTS, BOTH GASEOUS AND PARTICULATE; AND THE CONSTRUCTION, USE, CALIBRATION, AND MAINTENANCE OF AUTOMATIC SAMPLERS, RECORDERS, AND OTHER ANALYTICAL DEVICES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
012.261-010	AIR ANALYST	5 5 4	5	L46	I		3890	33900	10081899	225
012.281-010	SMOKE TESTER	4 4 3	5	L46	I		3890	33900	10081899	225
029.261-014	POLLUTION-CONTROL TECHNICIAN	4 4 4	6	L46	B	03.0202	3890	33900	10081899	225

PROGRAM: 15.0503 ENERGY CONSERVATION AND USE TECHNOLOGY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO SUPPORT ENGINEERS OR WORK INDEPENDENTLY TO IDENTIFY AND MEASURE QUANTITIES OF ENERGY USED IN HEATING AND COOLING OR OPERATING A FACILITY OR INDUSTRIAL PROCESS; ASSESS EFFICIENCY IN THE USE OF ENERGY OR THE AMOUNT LOST THROUGH WASTEFUL PROCESSES OR LACK OF INSULATION; AND PRESCRIBE REMEDIAL STEPS TO CONSERVE ENERGY WITHIN THE SYSTEM. INCLUDES INSTRUCTION IN THE UTILIZATION AND CONVERSION OF ENERGY IN ITS VARIOUS FORMS; TECHNIQUES FOR IMPROVING USE OR PREVENTING LOSS OF ENERGY; AND THE QUALIFICATION OF THE NET MINIMUM OR OPTIMUM ENERGY REQUIRED IN A GIVEN SYSTEM OR PROCESS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
007.181-010	HEAT-TRANSFER TECHNICIAN	5 5 5	7	L46	B	15.0501	3713	32900	10081898	215
010.261-026	TEST-ENGINE EVALUATOR	4 4 4	7	M46	I	15.0803 15.0903	3719	32900	10081898	216
029.261-018	TEST-ENGINE OPERATOR	4 4 3	6	L4	I67	15.0801 15.0803	3890	33001	10081899	225
184.167-210	SUPERINTENDENT, SYSTEM OPERATION	5 5 4	8	L45	I		1343	19000	20061699	019

PROGRAM: 15.0504 SANITATION TECHNOLOGY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO SUPPORT SANITARIANS, AND OTHERS RESPONSIBLE FOR HEALTH AND SANITATION FACTORS, BY DETERMINING THE NATURE AND AMOUNT OF BACTERIA AND CHEMICAL CONTAMINANTS IN WATER, WASTEWATER, AND FOOD PROCESSING. INCLUDES INSTRUCTION IN SAMPLING, CULTURING, AND INDENTIFYING PATHOGENIC OR OTHER ORGANISIMS; DETERMINING THE RELATIVE AMOUNTS OF CONTAMINANTS IN FOOD, SOIL, WATER, OR OTHER MATERIALS BY TAKING SAMPLES AND PERFORMING ANALYSES USING SOPHISTICATED CHEMICAL AND BIOLOGICAL EQUIPMENT AND PROCEDURES; AND SANITATION-RELATED ASPECTS OF WATER AND WASTEWATER PURIFICATION AND PROCESSING SYSTEMS AND FOOD PROCESSING, STORAGE, AND SERVICE. PROGRAMS PREPARE INDIVIDUALS FOR THE LICENSURE OR CERTIFICATION THAT IS REQUIRED IN SOME STATES FOR EMPLOYMENT IN GOVERNMENT SANITATION OR HEALTH-RELATED AGENCIES.

DICTIONARY OF OCCUPATIONAL TITLES CODE	FOURTH EDITION TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
029.361-010	BOTTLE-HOUSE QUALITY-CONTROL TECHNICIAN	4	4	4	6	L46	I5		3890	33001	10081899	225
029.361-014	FOOD TESTER	5	5	4	5	L46	I7	02.0302 02.0306 15.0602 20.0407	3831	33001	10081899	224
168.267-042	FOOD AND DRUG INSPECTOR	5	4	5	6	L456	I	02.0306 15.0602 20.0407	1473	10001	20040800	036
168.287-010	INSPECTOR, AGRICULTURAL COMMODITIES	4	3	4	7	L346	B	01.0402 02.0306 02.0408 15.0602	1473	10001	20040800	036
199.364-014	SCIENTIFIC HELPER	4	4	4	6	M46	B	03.0404 15.0609 15.0610 15.0702 15.0903 41.0101	3990	32900	10081898	235
199.364-014	SCIENTIFIC HELPER	4	4	4	6	M46	B	41.0102 41.0201 41.0203 41.0204 41.0301 41.0303 41.0304 41.0305	3990	32900	10081898	235
529.137-014	SANITARIAN	4	2	3	7	L2346	I47	02.0302 20.0406	7100	55829	50040003	633

PROGRAM: 15.0505 SOLAR HEATING AND COOLING TECHNOLOGY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO WORK WITH HEATING, COOLING, AND REFRIGERATION ENGINEERS AND SCIENTISTS IN RESEARCH, DESIGN, INSTALLATION, AND MAINTENANCE FOR MAXIMUM EFFICIENCY OF SOLAR HEATING UNITS FOR SPACE HEATING, COOLING, AND WATER HEATING FOR FACTORY, HOME, OR INSTITUTIONAL USE. INCLUDES INSTRUCTION IN THE DESIGN AND DYNAMICS OF SOLAR-HEAT COLLECTING SYSTEMS; HEAT COLLECTION, STORAGE, AND DISTRIBUTION IN MODERN HEATING AND COOLING SYSTEMS; THEORY, PROCEDURES, AND MEASURING DEVICES FOR AIR-CONDITIONING, HEATING, AND REFRIGERATION SYSTEMS; AND THE INDIVIDUAL MECHANISMS AND CONTROLS USED IN SOLAR HEAT COLLECTING UNITS FOR AIR-CONDITIONING, HEATING OR REFRIGERATION SYSTEMS.

PROGRAM: 15.0506 WATER AND WASTEWATER TECHNOLOGY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO PROCESS PURIFY, STORE, CONTROL POLLUTION IN, DISTRIBUTE, AND DISPOSE OF WASTEWATER. INCLUDES INSTRUCTION IN THE DESIGN, CONSTRUCTION, OPERATION, AND MAINTENANCE OF EQUIPMENT FOR WATER OR WASTEWATER COLLECTION, PROCESSING, POLLUTION CONTROL, AND DISTRIBUTION; OPERATION OF MACHINES, DEVICES, AND CONTROL SYSTEMS WHICH USE SOPHISTICATED MODERN INSTRUMENTATION; TESTING OF SAMPLES OF MATERIALS AT VARIOUS STAGES IN THE PROCESS DESIGN; HYDRAULICS; LIQUID COLLECTION; LIQUID-PROCESSING EQUIPMENT; PUMPING AND CONVEYING; SAMPLING AND TESTING, BOTH CHEMICALLY AND BIOLOGICALLY; PROCESSES OF PURIFICATION, DIGESTION, BIOLOGICAL DETERIORATION, AND DISINTEGRATION OF WASTEWATER PRODUCTS; PLANT LAYOUT, OPERATION, AND SAFETY; AND THE REGULATIONS AND STANDARDS CONTROLLING WATER OR WASTEWATER PURIFICATION.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
168.267-054	INSPECTOR, INDUSTRIAL WASTE	5 4 5	6	M2345	B47	41.0201	1473	10001	20040800	036
184.167-246	SUPERVISOR, WATERWORKS	5 5 5	7	L56	B		1343	19000	20061699	019
630.281-038	TREATMENT-PLANT MECHANIC	4 3 3	6	M346	B5	47.0303	6130	51058	50081810	518
955.130-010	SUPERVISORY WASTEWATER-TREATMENT-PLANT O	4 4 4	7	L456	B47	06.2001	6700	55B29	50040003	633
955.362-010	WASTEWATER-TREATMENT-PLANT OPERATOR	4 4 3	6	L456	B4567	47.0504	6910	55C71	50144013	694

PROGRAM: 15.0599 ENVIRONMENTAL-CONTROL TECHNOLOGIES, OTHER.

ANY INSTRUCTIONAL PROGRAM IN ENVIRONMENTAL CONTROL TECHNOLOGIES NOT DESCRIBED ABOVE.

PROGRAM: 15.0600 INDUSTRIAL PRODUCTION TECHNOLOGIES.

A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS TO SUPERVISE INDUSTRIAL PROCESSES OR TO SUPPORT ENGINEERS, SCIENTISTS AND OTHER PROFESSIONALS WHO ARE EMPLOYED BY INDUSTRY. PROGRAMS DESCRIBE THE MECHANICAL, SCIENTIFIC, OR TECHNICAL ASPECTS OF A VARIETY OF INDUSTRIES, INCLUDING CHEMICAL MANUFACTURING, FOOD PROCESSING, FOREST PRODUCTS, MARINE PRODUCTS, PLASTICS, AND TEXTILES.

PROGRAM: 15.0601 CHEMICAL MANUFACTURING TECHNOLOGY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO SUPPORT CHEMISTS IN THE CHEMICAL MANUFACTURING FIELD. INCLUDES INSTRUCTION IN MATERIAL HANDLING, CRUSHING, GRINDING, AND SIZING; EXTRACTION, DISTILLATION, EVAPORATION, DRYING, ABSORPTION, AND HEAT TRANSFER; AND ASSISTING IN DESIGN, INSTALLATION, AND OPERATION OF PILOT PLANTS FOR CHEMICAL MANUFACTURING PROCESSES.

008.261-010	CHEMICAL-ENGINEERING TECHNICIAN	5	5	5	8	L46	B	41.0301	3719	32900	10081898	216
022.161-018	PERFUMER	5	5	4	7	L56	I7	41.0301	3831	33001	10081899	224
022.261-010	CHEMICAL-LABORATORY TECHNICIAN	5	4	3	7	L46	I7	41.0301	3831	33001	10081899	224
022.281-010	ASSAYER	5	5	4	7	L46	I	41.0301	3831	33001	10081899	224
029.261-010	LABORATORY TESTER	4	4	3	5	L46	I	02.0306 15.0602 15.0702 15.0903 20.0407 41.0301 41.0302	3831	33001	10081899	224
550.131-010	COSMETICS SUPERVISOR	4	3	3	7	L456	I	41.0301	7100	55B29	50040003	633
550.132-010	SUPERVISOR	4	2	3	6	L45	I67	41.0301	7100	55B29	50040003	633
550.137-010	SUPERVISOR, COMPOUNDING-AND-FINISHING	4	3	3	8	L45	I7	41.0301	7100	55B29	50040003	633
552.132-010	SHIFT SUPERINTENDENT, CAUSTIC CRESYLATE	4	3	3	8	L256	B7	41.0301	7100	55B29	50040003	633
552.362-022	STILL OPERATOR, BATCH OR CONTINUOUS	4	3	3	6	L246	I7	41.0301	7676	55Q11	61087287	757
558.260-010	CHIEF OPERATOR	4	3	3	7	L456	I	41.0301	6940	55S53	61087295	699
558.582-010	PHOSPHORIC-ACID OPERATOR	4	3	3	7	L2456	I567	41.0301	7676	55G14	61087290	757
559.132-018	CATALYST OPERATOR, CHIEF	4	3	3	7	L456	I7	41.0301	6700	55B29	50040003	633
559.382-046	PILOT-CONTROL OPERATOR	4	3	3	7	L46	I7	41.0301	7476	55G14	61087290	757

PROGRAM: 15.0602 FOOD PROCESSING TECHNOLOGY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ASSIST FOOD CHEMISTS AND FOOD PROCESSING ENGINEERS IN PROCESSING RAW FOODSTUFFS INTO MARKETABLE FOOD PRODUCTS BY SELECTING AND GRADING RAW MATERIALS, AND BY INDUSTRIAL PROCESSES FOR EXTRACTING, CONVERTING, DRYING, FREEZING, PRESERVING, CANNING, PICKLING, SMOKING, RADIATION, CHEMICALLY TREATING, AND PACKAGING PRODUCTS. INCLUDES INSTRUCTION IN THE BASIC SCIENCES AND SUPPORTING MATHEMATICS OF CHEMISTRY, MICROBIOLOGY, AND PHYSICS AS THEY RELATE TO FOOD PROCESSING, AND IN THE PROCESSES, EQUIPMENT, SANITATION, INSPECTION, HANDLING PROCEDURES AND TECHNIQUES, PROCESS CONTROL AND SCHEDULING, PRODUCT STORAGE, SHIPPING, AND COST ANALYSES AND ALTERNATIVE PROCESSES IN THE INDUSTRY AS APPLIED TO SPECIFIC PRODUCTS AND LOCALITIES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
022.261-014	MALT-SPECIFICATIONS-CONTROL ASSISTANT	4	4	3	7	S6	I	02.0306	3831	33900	10081899	224
022.381-010	YEAST-CULTURE DEVELOPER	4	2	4	5	M46	I	02.0306	3831	33900	10081899	224
029.261-010	LABORATORY TESTER	4	4	3	5	L46	I	02.0306 15.0601 15.0702 15.0903 20.0407 41.0301 41.0302	3831	33001	10081899	224
029.361-014	FOOD TESTER	5	5	4	5	L46	I7	02.0302 02.0306 15.0504 20.0407	3831	33001	10081899	224
168.267-042	FOOD AND DRUG INSPECTOR	5	4	5	6	L456	I	02.0306 15.0504 20.0407	1473	10001	20040800	036
168.287-010	INSPECTOR, AGRICULTURAL COMMODITIES	4	3	4	7	L346	B	01.0402 02.0306 02.0408 15.0504	1473	10001	20040800	036
180.167-054	SUPERINTENDENT	5	4	4	7	L56	B	01.0502 02.0403 02.0306	1320	19000	20061699	019
183.161-014	WINE MAKER	5	3	4	8	L56	I47	01.0402	1320	19000	20061699	019
183.167-010	BREWING DIRECTOR	5	4	4	8	L456	I	02.0306	1320	19000	20061699	019
183.167-026	MANAGER, FOOD PROCESSING PLANT	5	4	4	8	L5	I	01.0402 02.0306 15.0605	1320	19000	20061699	019
520.361-010	HONEY GRADER-AND-BLENDER	4	3	3	6	L46	I	01.0402 02.0306	6873	55T61	61060401	688
523.131-010	TESTING AND ANALYSIS DEPARTMENT SUPERVIS	4	3	4	7	L46	I	02.0306	7100	55B29	50040003	633
529.281-010	TASTER	4	3	4	7	L4	I	02.0306 20.0407	6881	55B58	50142202	689

PROGRAM: 15.0603 INDUSTRIAL TECHNOLOGY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ASSIST AN INDUSTRIAL ENGINEER IN PRODUCTION AND PLANNING; DESIGN AND INSTALLATION OF INTEGRATED SYSTEMS OF MATERIALS, EQUIPMENT, AND PERSONNEL; AND MEASUREMENT, TESTING, AND MANAGEMENT OF QUALITY CONTROL IN THE MANUFACTURING, TRANSPORTATION, ASSEMBLY, INSTALLATION, AND OPERATION OF PROCESSES AND PRODUCTS. INCLUDES INSTRUCTION IN THE OPERATION OF TESTING EQUIPMENT (DESTRUCTIVE AND NONDESTRUCTIVE), MEASURING DEVICES, SPECIFICATION READING, AND DESIGN AND MEASUREMENT FOR LEVELS OF TOLERANCE COMPATIBLE WITH OVERALL PRODUCTION SPECIFICATIONS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
012.167-038	LIAISON WORKER, TOOL FABRICATION	5	5	4	7	S5	I	15.0604	1634	21006	10021000	056
012.167-074	TOOL PLANNER	5	5	5	8	S46	I	15.0604	1634	21006	10021000	056
012.187-010	MATERIAL SCHEDULER	5	5	5	7	S56	I	15.0604	1634	21006	10021000	056
012.261-014	QUALITY-CONTROL TECHNICIAN	5	5	4	7	L456	I	15.0604	3890	32019	10081000	225
012.267-010	INDUSTRIAL ENGINEERING TECHNICIAN	5	5	4	7	L456	I	15.0604	3712	32019	10081000	214
019.061-014	MATERIALS ENGINEER	5	5	5	8	S456	I	15.0604	1623	21900	10022099	045
019.161-014	TEST TECHNICIAN	5	4	4	7	L46	I	15.0301 15.0401 15.0402 15.0403 15.0404 15.0610 15.0702 15.0801 15.0802 15.0803 15.0805	3719	32900	10081898	216
019.167-010	LOGISTICS ENGINEER	5	5	5	8	S56	I	15.0604	1639	21900	10022099	059
019.267-010	SPECIFICATION WRITER	5	4	4	7	S6	I	15.0101 15.0604	3719	32014	10081898	216
160.267-018	ESTIMATOR	4	3	4	7	S56	I	15.0101 15.0604	1490	25427	10243808	037
169.167-054	TOOLING COORDINATOR, PRODUCTION ENGINEER	4	4	4	7	S456	I	15.0604	1449	29000	10243899	033
183.117-010	MANAGER, BRANCH	5	4	4	8	S5	I	15.0604	1320	19000	20061699	019
183.117-014	PRODUCTION SUPERINTENDENT	5	4	4	8	L5	I	15.0604	1320	19000	20061699	019
183.167-018	GENERAL SUPERVISOR	5	4	4	8	L5	I	15.0604	1320	19000	20061699	019
189.167-046	SUPERINTENDENT, MAINTENANCE	5	4	4	8	L5	I	06.2001 15.0604	1320	19000	20061699	019
221.162-010	PRODUCTION SCHEDULER, PAPERBOARD PRODUCT	4	4	4	6	S456	I	15.0604	4752	62003	40062400	363

*** PROGRAM: 15.0603 INDUSTRIAL TECHNOLOGY. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
221.167-014	MATERIAL COORDINATOR	4 3 4	6	L456	I	15.0604	4752	62003	40062400	363
221.167-018	PRODUCTION COORDINATOR	4 3 4	6	L5	I	15.0604	4752	62003	40062400	363
601.130-010	TOOL-AND-DIE SUPERVISOR	4 4 3	8	L456	I	15.0604	7100	55B29	50040003	633
601.261-010	INSPECTOR, SET-UP AND LAY-OUT	4 4 4	8	L46	I	15.0604	6881	55B58	50142202	689
638.261-010	AUTOMATED EQUIPMENT ENGINEER-TECHNICIAN	4 4 4	7	M3456	I	15.0604 47.0303	6178	55B95	50061600	544
699.130-010	PRODUCTION SUPERVISOR	4 3 4	7	L456	I5	15.0604	7100	55B29	50040003	633

PROGRAM: 15.0604 MANUFACTURING TECHNOLOGY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO TECHNICALLY ASSIST IN THE OPTIMIZATION OF THE DESIGN, CONSTRUCTION, AND APPLICATION OF MACHINERY TOOLS, EQUIPMENT, AND PROCESSES USED IN THE PRODUCTION OF GOODS.

SEE 15.0603, INDUSTRIAL TECHNOLOGY, ON PAGE 240.

PROGRAM: 15.0605 MARINE PRODUCTS TECHNOLOGY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO SUPERVISE PROCESSING OF MARINE PRODUCTS, INCLUDING SEAWEED, NON-VERTEBRATE, AND VERTEBRATE MARINE PRODUCTS. INCLUDES INSTRUCTION IN THE ANATOMY AND IDENTIFICATION OF MARINE PRODUCTS; THE CONSTRUCTION, MECHANICS, AND OPERATION OF EQUIPMENT; PROCEDURES, TECHNIQUES AND SANITATION ASPECTS OF PROCESSING, INCLUDING REFRIGERATION AND CHEMICAL PRESERVATION; SAFE WORKING PRACTICES; SANITATION AND INSPECTION; AND POTENTIAL CHEMICAL, BIOLOGICAL, OR BACTERIOLOGICAL PROBLEMS ENCOUNTERED, INCLUDING ANY PATHOLOGICAL CONDITIONS OF THE PRODUCT DURING PROCESSING.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
183.167-026	MANAGER, FOOD PROCESSING PLANT	5 4 4	8	L5	I	01.0402 02.0306 15.0602	1320	19000	20061699	019
525.134-010	SUPERVISOR, FISH PROCESSING	4 2 2	7	M456	I4		7100	55B29	50040003	633
550.132-014	SUPERVISOR, FISH BAIT PROCESSING	4 2 3	7	L456	I5		7100	55B29	50040003	633

PROGRAM: 15.0606 OPTICAL TECHNOLOGY.
------------------- AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO GRIND LENSES FROM OPTICAL GLASS OR FROM MODERN PLASTIC, ACCORDING TO ENGINEERING SPECIFICATIONS OR OPTOMETRIST PRESCRIPTIONS. INCLUDES INSTRUCTION IN THE SCIENCE OF OPTICS, OPTICAL GLASS, AND PLASTICS USED IN OPTICS; OPTICAL DESIGN AND DRAWINGS; MACHINERY, MATERIALS, AND TECHNIQUES REQUIRED FOR PRODUCTION OF OPTICAL LENSES; AND THE POLISHING OF LENSES OR OPTICAL ELEMENTS FOR MOUNTING IN EYE GLASSES OR HOLDING DEVICES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
007.161-030	OPTOMECHANICAL TECHNICIAN	5	4	4	8	L456	I	17.0702	3713	32010	10081400	215
716.130-010	SUPERVISOR	4	3	4	7	L456	I	48.0603 17.0702	7100	55B29	50040003	633
716.280-008	OPTICIAN	4	4	4	8	L456	I	48.0603 17.0702	6864	55D69	50143002	677
716.280-010	OPTICIAN APPRENTICE	4	4	4	8	L46	I	48.0603 17.0702	6864	55D69	50143002	677
716.280-014	OPTICIAN	4	4	4	8	L46	I	48.0603 17.0702	6864	55D69	50143002	677
716.381-010	INSPECTOR, PRECISION	4	3	4	7	L46	I	48.0603 17.0702	6881	55B58	50142202	689
716.382-018	PRECISION-LENS GRINDER	4	3	4	7	L46	I	48.0603 17.0702	7477	55B70	50143001	677
716.382-022	PRECISION-LENS-GRINDER APPRENTICE	4	3	4	7	L46	I	48.0603 17.0702	7477	55B70	50143001	677
719.361-010	RETICLE INSPECTOR	4	3	3	7	L46	I	17.0702	6881	55B58	50142202	689
719.381-010	CONTACT PRINTER, PHOTORESIST	4	3	3	6	L46	I	17.0702	6849	59002	63000000	737

PROGRAM: 15.0607 PLASTIC TECHNOLOGY.
------------------- AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO SUPPORT PLASTIC DESIGN ENGINEERS, SCIENTISTS, MANAGERS, OR ENTREPRENEURS IN THE APPLICATION, PRODUCTION, AND FABRICATION OF PLASTIC PRODUCTS. INCLUDES INSTRUCTION IN THE CHEMISTRY AND APPLIED ENGINEERING SCIENCES RELATING TO THERMOSETTING, PRESSING, FORMING, MOLDING, AND PRODUCING OF FIBERGLASS OR OTHER PLASTICS; DRAWINGS FOR DIES, FORMS, MOLDS, OR PLASTIC ASSEMBLIES; MOLDING, EXTRUDING, JOINING, FINISHING, INSPECTING, AND CONTROLLING THE QUALITY OF THE PRODUCTS; PACKAGING FOR SHIPMENT OR STORAGE; AND HAZARDS ASSOCIATED WITH PRODUCTION AND DESIGN.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
556.130-010	SUPERVISOR	4	3	4	7	M456	I6		7100	55B29	50040003	633
559.131-014	QUALITY-CONTROL SUPERVISOR	4	3	3	7	L34	I5	15.0702	7100	55B29	50040003	633
559.132-014	CALENDER SUPERVISOR	4	3	3	7	L256	I5		7100	55B29	50040003	633
559.132-022	FINISHING-AREA SUPERVISOR	4	3	3	8	L2456	I456		7100	55B29	50040003	633
559.137-038	SUPERVISOR, INSPECTION	4	3	3	7	L456	I		7100	55B29	50040003	633

PROGRAM: 15.0608 SAFETY TECHNOLOGY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO TECHNICALLY ASSIST IN THE MAINTENANCE OF MATERIALS, EQUIPMENT, AND PERSONNEL FOR INDUSTRIAL, AOMMERCIAL, AND FIRE SAFETY SYSTEMS.

SEE 15.0701, OCCUPATIONAL SAFETY AND HEALTH TECHNOLOGY, ON PAGE 246.

PROGRAM: 15.0609 TEXTILE TECHNOLOGY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ASSIST SCIENTISTS, ENGINEERS, OR MANAGERS IN THE TEXTILE INDUSTRY OR IN RELATED RESEARCH, DEVELOPMENT, PRODUCTION, OR SERVICING. INCLUDES INSTRUCTION IN THE NATURE AND CHARACTERISTICS OF TEXTILE FIBERS; SPINNING, WEAVING, DYEING, MORDANTING, FIREPROOFING, AND STATIC ARRESTING; TESTING OF FIBERS FOR TENSILE STRENGTH, HEAT RESISTANCE, CREASE RESILIENCY, AND LAUNDERING; EQUIPMENT AND MACHINES USED IN MAKING TEXTILES; AND TEXTILE PRODUCTION, PACKAGING, STORAGE, SHIPMENT AND USES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
022.281-018	LABORATORY TESTER	4	3	3	6	L46	I		3831	33001	10081899	224
029.381-010	CLOTH TESTER	4	3	4	5	L46	I	20.0307	3890	33001	10081899	225
029.381-014	LABORATORY ASSISTANT	4	3	3	5	L46	I	20.0307	3890	33001	10081899	225
142.061-014	CLOTH DESIGNER	4	3	4	7	S456	I	20.0303 48.0203	3220	25489	10221001	183
199.364-014	SCIENTIFIC HELPER	4	4	4	6	M46	B	03.0404 15.0504 15.0610 15.0702 15.0903 41.0101 41.0102 41.0201 41.0203 41.0204 41.0301 41.0303 41.0304 41.0305	3990	32900	10081898	235
582.131-014	DYER, SUPERVISOR	5	3	4	7	L456	I		7100	55B29	50040003	633
589.130-010	CLOTH FINISHER	4	3	4	7	L456	I5		7100	55B29	50040003	633
979.137-022	SUPERVISOR, SAMPLE PREPARATION	4	3	3	7	L56	I		7100	55B29	50040003	633

PROGRAM: 15.0610 WELDING TECHNOLOGY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES SKILLED WORKERS AT THE TECHNICIAN LEVEL TO UNDERSTAND, PERFORM, AND SUPERVISE OR INSPECT A WIDE VARIETY OF WELDING PROCESSES. THESE INCLUDE GAS WELDING, BRAZING, FLAME CUTTING, METALLIC ARC WELDING (MANUAL OR AUTOMATIC), METALLIC GAS OR INERT GAS WELDING OF FERROUS AND NONFERROUS MATERIALS, RESISTANCE WELDING, AND FUSING OF GLASS AND PLASTICS IN A WELDING MODE. INCLUDES INSTRUCTION IN APPLIED PHYSICS AND METALLURGY OF THE VARIOUS WELDING PROCESSES AND TECHNIQUES, THE COMPOSITION AND METALLURGY OF THE VARIOUS METALS, THE CHEMISTRY AND PHYSICS OF THE WELDING PROCESSES, THE SHIELDING ELEMENTS IN THE WELDING PROCESSES, AND THE VARIOUS TYPES OF EQUIPMENT USED TO ACCOMPLISH EACH PROCESS. PROGRAMS DEVELOP AN ELEMENTAL UNDERSTANDING OF DESIGN FOR WELDING FABRICATION; AND UNDERSTANDING OF THE ELEMENTS OF COST AND ECONOMICS OF WELDING OF VARIOUS TYPES; A KNOWLEDGE OF THE METHODS OF NONDESTRUCTIVE AND DESTRUCTIVE INSPECTION OF WELDING AND WELDED PRODUCTS; AND AN UNDERSTANDING OF AUXILIARY EQUIPMENT USED IN THE PROCESS, SUCH AS JIGS, FIXTURES, AND ANNEALING EQUIPMENT RELATED TO WELDING.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED			SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	DES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
		R	M	L								
011.261-010	METALLURGICAL TECHNICIAN	4	4	4	6	L46	I	41.0303	3719	32900	10081898	216
011.261-014	WELDING TECHNICIAN	4	3	3	8	L456	I	41.0303	3719	32900	10081898	216
011.281-010	LABORATORY ASSISTANT, METALLURGICAL	4	4	4	7	L46	I	41.0303	3719	32900	10081898	216
011.281-014	SPECTROSCOPIST	4	4	4	7	L46	I	41.0303	3719	32013	10081898	216
011.361-010	TESTER	4	4	3	5	L46	I	15.0702 41.0303	3719	32900	10081898	216
019.161-014	TEST TECHNICIAN	5	4	4	7	L46	I	15.0301 15.0401 15.0402 15.0403 15.0404 15.0603 15.0702 15.0801 15.0802 15.0803 15.0805	3719	32900	10081898	216
199.364-014	SCIENTIFIC HELPER	4	4	4	6	M46	B	03.0404 15.0504 15.0609 15.0702 15.0903 41.0101 41.0102 41.0201 41.0203 41.0204 41.0301 41.0303 41.0304 41.0305	3990	32900	10081898	235

*** PROGRAM: 15.0610 WELDING TECHNOLOGY. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES CODE	FOURTH EDITION TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
819.131-010	LEAD-BURNER SUPERVISOR	4	3	3	7	M23456	B67	06.2001	7100	55829	50040003	633
819.131-014	WELDING SUPERVISOR	4	4	3	8	L456	B567	06.2001	7100	55829	50040003	633
819.281-018	WELD INSPECTOR 1	4	4	3	7	M23456	B567	15.0702 48.0508	6881	55858	50142202	689
819.281-022	WELDER, EXPERIMENTAL	4	4	3	8	L46	I67		7714	55D46	61022002	783

PROGRAM: 15.0699 INDUSTRIAL PRODUCTION TECHNOLOGIES, OTHER. ANY INSTRUCTIONAL PROGRAM IN INDUSTRIAL PRODUCTION TECHNOLOGIES NOT DESCRIBED ABOVE.

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PROGRAM: 15.0700 QUALITY CONTROL AND SAFETY TECHNOLOGIES.

A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS TO SUPPORT A VARIETY OF ENGINEERS AND INDUSTRIAL MANAGERS. PROGRAMS DESCRIBE THE MECHANICAL, SCIENTIFIC, OR TECHNICAL ASPECTS OF INDUSTRIAL PRODUCTION, OCCUPATIONAL HEALTH AND QUALITY CONTROL.

PROGRAM: 15.0701 OCCUPATIONAL SAFETY AND HEALTH TECHNOLOGY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO WORK WITH SAFETY ENGINEERS AND MANAGERS IN ANALYZING WORKING CONDITIONS IN PLACES OF EMPLOYMENT TO ENSURE MAXIMUM SAFETY TO WORKERS AND OCCUPANTS. INCLUDES INSTRUCTION IN SAFETY ENGINEERING PRINCIPLES AND SCIENCE; RELATED FEDERAL, STATE, AND LOCAL LEGISLATION; PROCEDURES, PRACTICES, TECHNIQUES, AND METHODS USED IN ANALYZING ALL ASPECTS OF WORKING CONDITIONS IN AN EMPLOYMENT ESTABLISHMENT, INCLUDING PHYSICAL, WATER, ATMOSPHERIC, AND OTHER ENVIRONMENTAL ELEMENTS WHICH MAY CONSTITUTE HAZARDS; DETERMINATION OF POTENTIALLY UNSAFE WORKING PRACTICES; CHEMICAL CONTAMINATION OF WORKERS THROUGH THE AIR THEY BREATHE; METHODS FOR CORRECTING UNSAFE CONDITIONS OR PREVENTING THEM; COST ANALYSIS OF VARIOUS CORRECTIVE MEASURES FOR WORKING CONDITIONS OR PRACTICES ON THE JOB; CAPABILITY IN READING ENGINEERING DRAWINGS; AND USE OF ORTHOGRAPHIC PROJECTION PRACTICES IN DRAWINGS, DIAGRAMMING, OR SKETCHING SAFETY DEVICES OR PLANT LAYOUTS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
079.161-010	INDUSTRIAL HYGIENIST	5	4	5	8	M456	I57	15.0608	3690	35900	10121099	208
168.167-026	INSPECTOR, BOILER	5	4	5	8	L356	I36	15.0608	1473	10001 29000	20040800 10243899	036
								15.0702	1473	10001 29000	20040800 10243899	
168.167-042	INSPECTOR, HEALTH CARE FACILITIES	4	3	4	6	556	I	15.0608	1473	10001	20040800	036
168.167-062	OCCUPATIONAL-SAFETY-AND-HEALTH INSPECTOR	5	5	5	6	L23456	B	15.0608	1473	10001	20040800	036
168.167-078	SAFETY INSPECTOR	5	4	5	8	L2356	B6	15.0608 43.0201	1473	25478	10243804	036
168.264-014	SAFETY INSPECTOR	4	3	4	6	L56	B	15.0608 43.0201	1473	29000	10243899	036
168.267-010	BUILDING INSPECTOR	4	3	4	7	L26	B	15.0101 15.0608 46.0403	1472	25536	10243823	035
168.267-074	MINE INSPECTOR	4	3	4	6	L2356	B67	15.0608	1473	10001 55B23	20040800 50142201	036
								15.0902	1473	10001 55B23	20040800 50142201	
638.131-010	FUEL-SYSTEM-MAINTENANCE SUPERVISOR	4	4	4	7	L3456	B57	06.2001 15.0608	6000	55B29	50040003	503
821.367-014	SAFETY INSPECTOR	4	3	3	8	L356	B	15.0608 46.0303	7820	55B58	50142202	796

PROGRAM: 15.0702 QUALITY CONTROL TECHNOLOGY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO SUPPORT ENGINEERS OR MANAGERS BY UTILIZING THE SCIENCES OF MEASUREMENT AND QUALITY CONTROL, QUALITY DESIGN, PRODUCTION AND INSPECTION, TESTING (BOTH DESTRUCTIVE AND NONDESTRUCTIVE), STATISTICAL SAMPLING, AND MATHEMATICAL PROBABILITY AS IT RELATES TO QUALITY CONTROL IN MASS-PRODUCED ITEMS MANUFACTURED BY MODERN PRODUCTION PROCEDURES AND PROCESSES. INCLUDES INSTRUCTION IN THE INTENSIVE STUDY OF THE PHYSICAL AND RELATED ENGINEERING SCIENCES AND SUPPORTING MATHEMATICS RELATED TO MATERIAL TESTING DEVICES; TESTING; INSPECTION TECHNIQUES; ORGANIZATION OF SYSTEMS OF QUALITY CONTROL; STATISTICAL SAMPLING; MANAGEMENT OF QUALITY IN MANUFACTURING, TRANSPORTATION, ASSEMBLY, INSTALLATION, AND OPERATION; ASSURANCE OF MAXIMUM ACCURACY OR QUALITY CONTROL IN ALL PHASES OF MANUFACTURING; AND UTILIZATION OF ALL COMPONENTS AND UNITS IN MODERN SOPHISTICATED MACHINE DEVICES OR SYSTEMS. SPECIAL STUDY IS REQUIRED TO UNDERSTAND THE OPERATION OF TESTING EQUIPMENT (PARTICULARLY NONDESTRUCTIVE EQUIPMENT), MEASURING DEVICES, READING OF SPECIFICATIONS; DESIGN AND MEASURING OF TOLERANCES TO ASSURE THAT A CERTAIN LEVEL OF QUALITY WILL BE MET IN PRODUCING A COMPONENT, UNIT, OR SYSTEM. INCLUDES INSTRUCTION IN THE PREPARATION OF SCIENTIFIC OR TECHNICAL REPORTS AND IN THE DEVELOPMENT OF INTERPERSONAL SKILLS REQUIRED IN THE PERFORMANCE OF TASKS OR IN THE SUPERVISION OF THE WORK OF OTHERS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
011.361-010	TESTER	4	4	3	5	L46	I	15.0610 41.0303	3719	32900	10081898	216
012.167-062	SUPERVISOR, VENDOR QUALITY	5	5	5	7	S56	I		1634	21006	10021000	056
019.161-014	TEST TECHNICIAN	5	4	4	7	L46	I	15.0301 15.0401 15.0402 15.0403 15.0404 15.0603 15.0610 15.0801 15.0802 15.0803 15.0805	3719	32900	10081898	216
029.261-010	LABORATORY TESTER	4	4	3	5	L46	I	02.0306 15.0601 15.0602 15.0903 20.0407 41.0301	3831	33001	10081899	224
029.261-010	LABORATORY TESTER	4	4	3	5	L46	I	41.0302	3831	33001	10081899	224
168.167-026	INSPECTOR, BOILER	5	4	5	8	L356	I36	15.0608	1473	10001 29000	20040800 10243899	036
								15.0701	1473	10001 29000	20040800 10243899	
168.287-014	INSPECTOR, QUALITY ASSURANCE	5	5	5	7	L456	I	20.0307	1473	10001	20040800	036

*** PROGRAM: 15.0702 QUALITY CONTROL TECHNOLOGY. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
199.364-014	SCIENTIFIC HELPER	4	4	4	6	M46	B	03.0404 15.0504 15.0609 15.0610 15.0903 41.0101 41.0102 41.0201 41.0203 41.0204 41.0301 41.0303 41.0304 41.0305	3990	32900	10081898	235
559.131-014	QUALITY-CONTROL SUPERVISOR	4	3	3	7	L34	I5	15.0607	7100	55B29	50040003	633
689.131-010	INSPECTION SUPERVISOR	4	4	4	8	L456	I5	06.2001	7100	55B29	50040003	633
819.281-018	WELD INSPECTOR 1	4	4	3	7	M23456	B567	15.0610 48.0508	6881	55858	50142202	689

PROGRAM: 15.0799 QUALITY CONTROL AND SAFETY TECHNOLOGIES, OTHER. ANY INSTRUCTIONAL PROGRAM IN QUALITY CONTROL AND SAFETY TECHNIQUES NOT DESCRIBED ABOVE.

PROGRAM: 15.0800 MECHANICAL AND RELATED TECHNOLOGIES. A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS TO SUPPORT AND ASSIST A VARIETY OF ENGINEERING PROFESSIONALS, INCLUDING AERONAUTICAL, AGRICULTURAL, AUTOMOTIVE, MECHANICAL, ELECTRICAL AND ELECTRONIC, ARCHITECTURAL, CHEMICAL, CIVIL, MINING, AND PETROLEUM ENGINEERS. PROGRAMS DESCRIBE THE MATHEMATICAL, MECHANICAL, SCIENTIFIC AND TECHNICAL ASPECTS OF THESE ENGINEERING SPECIALITIES.

PROGRAM: 15.0801 AERONAUTICAL TECHNOLOGY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ASSIST THE AERONAUTICAL ENGINEER IN COLLECTING RESEARCH DATA RELEVANT TO THE OPERATION OF AIRCRAFT AND THE DESIGN, TESTING, AND DEVELOPMENT OF PROPULSION, CONTROL, AND GUIDANCE SYSTEMS OF AIRCRAFT AND AEROSPACE VEHICLES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
002.280-010	RESEARCH MECHANIC	4	4	3	7	L4	I		3719	32010	10081400	216
002.281-010	FLIGHT-TEST-DATA TRANSCRIBER	5	4	4	5	S46	I		3719	32900	10081898	216
019.161-014	TEST TECHNICIAN	5	4	4	7	L46	I	15.0301 15.0401 15.0402 15.0403 15.0404 15.0603 15.0610 15.0702 15.0802 15.0803 15.0805	3719	32900	10081898	216
019.281-010	CALIBRATION LABORATORY TECHNICIAN	5	5	4	7	L3456	B6	15.0302 15.0303 15.0403 15.0404	3711	32004	10080803	213
029.261-018	TEST-ENGINE OPERATOR	4	4	3	6	L4	I67	15.0503 15.0803	3890	33001	10081899	225
621.261-014	ENGINE TESTER	4	3	4	7	M46	B5		6881	55Q57	50142205	689
621.281-022	EXPERIMENTAL MECHANIC 2	4	3	4	7	M46	I5	47.0602	6116	51002	50080400	515
621.281-026	MECHANIC, FIELD AND SERVICE	3	3	3	7	M23456	I56	47.0602	6113	51002	50080400	508
726.281-010	ELECTRICIAN, RESEARCH	4	3	3	7	L46	I	15.0302	3990	39000	10141404	235
806.281-030	INSPECTOR, MISSILE	4	4	3	7	L46	I		6881	55B58	50142202	689
806.281-034	INSPECTOR, REINFORCED PLASTICS	4	4	3	7	L46	I		6881	55B58	50142202	689
806.281-046	OUTSIDE PRODUCTION INSPECTOR	4	3	2	7	L46	I		6881	55Q57	50142205	689
823.131-018	SUPERVISOR, AVIONICS SHOP	4	4	4	8	L456	I56		6000	55B29	50040003	503
823.281-010	AVIONICS TECHNICIAN	4	4	4	6	L345	I	47.0602	6151	51051	50082600	523
825.281-038	EXPERIMENTAL-ROCKET-SLED MECHANIC	4	3	3	7	M4	I	47.0602	6179	51900	50083299	547

PROGRAM: 15.0802 AGRICULTURAL EQUIPMENT TECHNOLOGY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ASSIST AGRICULTURAL ENGINEERS. INCLUDES INSTRUCTION IN FARM MACHINERY, FARM STRUCTURES, AND RURAL ELECTRIFICATION.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
013.161-010	AGRICULTURAL-ENGINEERING TECHNICIAN	5	5	4	7	S46	I	01.0204 01.0206 02.0503	3719	32900	10081898	216
013.161-010	AGRICULTURAL-ENGINEERING TECHNICIAN	5	5	4	7	S46	I	03.0202	3719	32900	10081898	216
019.161-014	TEST TECHNICIAN	5	4	4	7	L46	I	15.0301 15.0401 15.0402 15.0403 15.0404 15.0603 15.0610 15.0702 15.0801 15.0803 15.0805	3719	32900	10081898	216
019.261-022	TEST TECHNICIAN	4	4	4	6	L46	B6	01.0204	3890	39000	10141404	225

PROGRAM: 15.0803 AUTOMOTIVE TECHNOLOGY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO SUPPORT AN AUTOMOTIVE ENGINEER IN DIAGNOSING NORMAL OR ABNORMAL OPERATION AND IN MAINTAINING AND REPAIRING AUTOMOTIVE EQUIPMENT. INCLUDES INSTRUCTION IN THE INSTALLATION, MAINTENANCE, OPERATION, REPAIR, ADJUSTMENT, OR MODIFICATION OF AUTOMOBILES, TRUCKS, BUSES, AND LIGHT INDUSTRIAL OR FARM EQUIPMENT POWERED BY GASOLINE, DIESEL, OR TURBINE ENGINES AND EQUIPPED WITH ELECTRICAL, HYDRAULIC, PNEUMATIC, OR MECHANICAL CONTROLS. ALSO INCLUDES INSTRUCTION IN THE USE AND CALIBRATION OF DIAGNOSTIC AND TESTING INSTRUMENTS AND EQUIPMENT.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
010.261-026	TEST-ENGINE EVALUATOR	4 4 4	7	M46	I	15.0503 15.0903	3719	32908	10081898	216
017.261-010	AUTO-DESIGN CHECKER	5 4 4	8	L56	I	15.0202	3713	32003	10080601	215
017.281-022	DRAFTER, AUTOMOTIVE DESIGN	5 4 4	7	L456	I	15.0202 48.0105	3720	32003	10080601	217
019.161-014	TEST TECHNICIAN	5 4 4	7	L46	I	15.0301 15.0401 15.0402 15.0403 15.0404 15.0603 15.0610 15.0702 15.0801 15.0802 15.0805	3719	32908	10081898	216
019.381-010	LABORATORY TECHNICIAN	4 4 4	5	L456	I		3890	32900	10081898	225
029.261-018	TEST-ENGINE OPERATOR	4 4 3	6	L4	I67	15.0503 15.0801	3890	33001	10081899	225

PROGRAM: 15.0804 MARINE PROPULSION TECHNOLOGY.

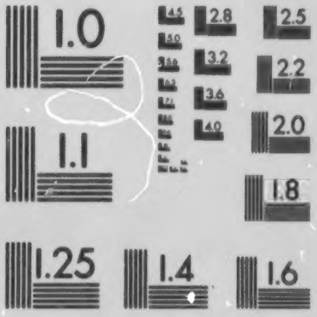
AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO SUPPORT PROPULSION ENGINEERS, SHIP OFFICERS, MANAGERS OF MARINE UNITS AND FLEETS, OR TO WORK AS MANUFACTURERS' REPRESENTATIVES OF MARINE PROPULSION UNITS. INCLUDES INSTRUCTION IN VARIOUS MARINE PROPULSION UNITS AND SYSTEMS AND THEIR RELATED CONTROLS; VARIOUS FUELS AND FUEL SYSTEMS AND PROBLEMS AND HAZARDS INVOLVED IN THEIR USE; POWER CAPACITY OF VARIOUS UNITS; THE BASIC DESIGN, INSTALLATION, OPERATION AND MAINTENANCE AND SERVICING OF VARIOUS MARINE PROPULSION UNITS AND SYSTEMS; THE USE AND DESIGN OF COOLING SYSTEMS; OPERATIONAL CONTROLS; COST EFFICIENCY OF VARIOUS ALTERNATIVE PROPULSION SYSTEMS AND MAINTAINING OPERATION AND SERVICE LOGS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
197.130-010	ENGINEER	4 3 3	8	M23456	I3467	49.0308	8244	55T54	50144026	833
625.131-010	ENGINE-TESTING SUPERVISOR	4 4 4	8	L456	I5	06.2001	6000	55B29	50040003	503
625.261-010	DIESEL-ENGINE TESTER	4 3 3	7	M246	I56	47.0605	6881	51019	50083222	689

PROGRAM: 15.0805 MECHANICAL DESIGN TECHNOLOGY. AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ASSIST A MECHANICAL-DESIGN OR EQUIPMENT-SYSTEMS ENGINEER IN DESIGNING, DETAILING, PRODUCING, AND TESTING MACHINES, USING APPROPRIATE AVAILABLE MATERIALS, PROCESSES, TECHNIQUES, AND FACILITIES. INCLUDES INSTRUCTION IN DRAFTING; STRENGTH OF MATERIALS; MANUFACTURING OR FABRICATION PROCEDURES AND PRACTICES; MATERIAL TESTING; COMPONENT INSPECTION; MACHINE OR UNIT OPERATION; EVALUATION; BASIC PHYSICS AND MECHANICS, AND THE SUPPORTING MATHEMATICS; BASIC MECHANISMS; HYDRAULICS AND PNEUMATICS; QUALITY CONTROL AND TESTING; MACHINE DESIGN; MATERIALS; SPECIALIZATION PREPARATION, AND TECHNICAL REPORTING.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
007.061-026	TOOL DESIGNER	5	5	5	8	L46	I		1635	21008	10021200	057
007.061-030	TOOL-DESIGNER APPRENTICE	5	5	5	8	L46	I		1635	21008	10021200	057
007.161-010	DIE DESIGNER	4	4	4	7	S46	I	48.0105	3720	32900	10081898	217
007.161-014	DIE-DESIGNER APPRENTICE	4	4	4	7	S46	I	48.0105	3720	32900	10081898	217
007.161-018	ENGINEERING ASSISTANT, MECHANICAL EQUIPM	5	5	5	7	S46	I	15.0202 48.0105	3720	32003	10080601	217
007.161-026	MECHANICAL-ENGINEERING TECHNICIAN	5	4	4	7	L46	I		3713	32010	10081400	215
007.261-010	CHIEF DRAFTER	5	5	5	7	S46	I		3720	32003	10080601	217
007.281-010	DRAFTER, MECHANICAL	5	5	5	7	S46	I	15.0202 48.0105	3720	32003	10080601	217
017.161-010	DRAFTER, CHIEF, DESIGN	5	5	5	8	L456	I	15.0202	3720	32003	10080601	217
019.161-014	TEST TECHNICIAN	5	4	4	7	L46	I	15.0301 15.0401 15.0402 15.0403 15.0404 15.0603 15.0610 15.0702 15.0801 15.0802 15.0803	3719	32900	10081898	216

PROGRAM: 15.0899 MECHANICAL AND RELATED TECHNOLOGIES, OTHER. ANY INSTRUCTIONAL PROGRAM IN MECHANICAL AND RELATED TECHNOLOGIES NOT DESCRIBED ABOVE.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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS
STANDARD REFERENCE MATERIAL 1010a
(ANSI and ISO TEST CHART No. 2)

PROGRAM: 15.0900 MINING AND PETROLEUM TECHNOLOGIES. A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARES INDIVIDUALS TO SUPPORT AND ASSIST MINING AND PETROLEUM ENGINEERS AND MANAGERS. PROGRAMS STRESS SPECIALIZED, PRACTICAL KNOWLEDGE RELATED TO THE MECHANICAL, SCIENTIFIC, OR TECHNICAL ASPECTS OF MINING AND PETROLEUM ENGINEERING.

PROGRAM: 15.0901 COAL MINING TECHNOLOGY. AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ASSIST MINING ENGINEERS OR MANAGERS OR TO ASSUME RESPONSIBILITY WITH A DEGREE OF INDEPENDENCE IN VARIOUS ASPECTS OF MINING OPERATION. INCLUDES INSTRUCTION IN METHODS, EQUIPMENT, PROCESSES, TECHNIQUES, AND PROCEDURES EMPLOYED IN UNDERGROUND COAL MINING OR IN STRIP MINING; COAL BENEFICIATION AND CONDITIONING FOR MARKETING; MAPPING AND PLANNING THE EXPLOITATION OF A COAL FIELD; MANAGING FOR SAFE MINING OPERATIONS; DISPOSING OF MINE WASTE; RECLAIMING STRIP-MINE AREAS AFTER COAL HAS BEEN REMOVED; TESTING AND ANALYZING THE QUALITY OF COAL; MEASURING THE LEVELS OF IMPURITIES IN AIR IN MINES AND IDENTIFYING THE NATURE OF THE IMPURITIES; CONSTRUCTING, OPERATING, AND MAINTAINING SPECIALIZED MACHINERY AND EQUIPMENT; AND PLANNING FOR MAXIMUM EXPLOITATION OF DEPOSITS OF COAL BY THE MOST ECONOMICAL MODERN METHODS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
018.167-034	SURVEYOR ASSISTANT, INSTRUMENTS	5	5	4	7	L456	O	01.0206 15.0201 15.0203 15.0902	3733	32008	10081600	218
018.167-050	SURVEYOR, MINE	5	5	4	7	L456	B	15.0203 15.0902	1649	32008	10081600	063
181.117-014	MINE SUPERINTENDENT	5	4	4	8	L5	B		1360	19000	20061699	019
549.137-014	SUPERVISOR, PREPARATION PLANT	4	3	3	7	L456	B57	49.0204	7100	55B29	50040003	633
850.133-010	SUPERVISOR, RECLAMATION	4	3	4	7	L456	B57		6318	55B29	50040003	558
932.132-010	BANK BOSS	4	3	3	7	L456	O	49.0204	6320	55B29	50040003	613
932.132-014	SURFACE SUPERVISOR	4	3	4	8	L56	B5	49.0204	6320	55B29	50040003	613
932.167-010	DISPATCHER	4	3	3	6	L5	I	49.0204	4751	55A90	50040002	359
939.137-014	PIT SUPERVISOR	4	3	3	7	L456	O	15.0902 49.0204	7100	55B29	50040003	633
939.137-018	SECTION SUPERVISOR	4	3	3	7	M456	I567	15.0902 49.0204	7100	55B29	50040003	633

PROGRAM: 15.0902 MINING (EXCLUDING COAL) TECHNOLOGY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO WORK IN A SUPPORTIVE ROLE TO MINING ENGINEERS AND MANAGERS IN THE DEVELOPMENT AND EXPLOITATION OF METAL OR OTHER MINERAL ORE DEPOSITS (EXCLUDING COAL AND OTHER FOSSIL FUELS). INCLUDES INSTRUCTION IN ELEMENTARY GEOLOGY; MECHANICAL DRAWING AND DRAFTING; MINING METHODS, BOTH OPEN PIT AND UNDERGROUND; SURVEYING AS IT APPLIES TO PLANNING THE MINING OF A PARTICULAR ORE BODY; MINING MACHINERY; EQUIPMENT AND METHODS USED IN DRILLING, BLASTING, CONVEYING, HOISTING, CRUSHING, AND BENEFICIATION; MINE SAFETY; ENVIRONMENTAL IMPACT; PRODUCTION, STORAGE, AND DISPOSAL OF SOLID OR LIQUID WASTES; AND COLLECTING, SCREENING, FILTERING, DRYING, PROCESSING, STORING, AND SHIPPING OF FINISHED ORE.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION		GED			S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
CODE	TITLE	R	M	L								
018.167-034	SURVEYOR ASSISTANT, INSTRUMENTS	5	5	4	7	L456	O	01.0206 15.0201 15.0203 15.0901	3733	32008	10081600	218
018.167-050	SURVEYOR, MINE	5	5	4	7	L456	B	15.0203 15.0901	1649	32008	10081600	063
168.267-074	MINE INSPECTOR	4	3	4	6	L2356	B67	15.0608	1473	10001	20040800	036
										55B23	50142201	
								15.0701	1473	10001	20040800	
										55B23	50142201	
939.130-010	SUPERVISOR, POND	4	3	3	7	L45	B	49.0204	7100	55B29	50040003	633
939.131-010	QUARRY SUPERVISOR, OPEN PIT	4	3	3	7	L2345	O56	49.0204	6320	55B29	50040003	613
939.137-014	PIT SUPERVISOR	4	3	3	7	L456	O	15.0901 49.0204	7100	55B29	50040003	633
939.137-018	SECTION SUPERVISOR	4	3	3	7	M456	I567	15.0901 49.0204	7100	55B29	50040003	633
939.137-022	SUPERVISOR, HARVESTING	3	3	3	5	L5	O45	49.0204	6320	55B29	50040003	613

PROGRAM: 15.0903 PETROLEUM TECHNOLOGY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ASSIST IN PETROLEUM PRODUCTION, ON-SHORE OR OFFSHORE EXPLORING FOR PETROLEUM FIELDS; SEISMIC TESTING OF PROMISING GEOLOGICAL FORMATIONS; DRILLING TEST WELLS; IMPROVING DRILLING TECHNOLOGY; ANALYZING CORES FROM DRILLING; LOGGING CORES; COLLECTING PETROLEUM FROM PRODUCING WELLS; DELIVERING OIL TO HOLDING POINTS OR PIPELINES OR TRANSPORTING TO REFINERIES; OR CAPTURING GAS AND RETAINING IT IN HOLDING POINTS FOR MARKETING. INCLUDES INSTRUCTION IN THE METHODS FOR INCREASING PRODUCTIVITY OF OIL FIELDS; SEISMIC EXPLORATION; SOPHISTICATED SCIENTIFIC AND PRODUCTION METHODS; INSTRUMENTATION, MACHINERY, EQUIPMENT, TECHNIQUES, AND PROCESSES USED IN OBTAINING AND REFINING CRUDE OIL INTO SALABLE PRODUCTS; OIL- OR GAS-WELL DRILLING; OIL- OR GAS-WELL CONTROL BY USE OF DRILLING MUDS OR OTHER TECHNIQUES; CHARTING AND DIAGRAMING OIL FIELDS, OIL WELLS, AND PIPELINES; AND DESIGNING REFINERIES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION		GED			S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
CODE	TITLE	R	M	L								
000.000-000									3719	32001	10081803	216
010.131-010	WELL-LOGGING CAPTAIN, MUD ANALYSIS	5	5	4	7	L56	B5		1625	32900	10081898	047
010.161-018	OBSERVER, SEISMIC PROSPECTING	4	4	4	7	L456	O	41.0302	1625	39000	10141404	047
010.167-018	SUPERINTENDENT, OIL-WELL SERVICES	5	5	5	8	S5	I		1625	19000	20061699	047

*** PROGRAM: 15.0903 PETROLEUM TECHNOLOGY.

CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
010.261-010	FIELD ENGINEER, SPECIALIST	4	4	4	7	L456	B6		3719	32900	10081898	216
010.261-014	OBSERVER, ELECTRICAL PROSPECTING	4	4	4	6	L46	B		3833	32005	10081804	225
010.261-018	OBSERVER, GRAVITY PROSPECTING	4	4	4	6	L46	O		3833	32005	10081804	225
010.261-022	SURVEYOR, OIL-WELL DIRECTIONAL	5	5	5	7	L456	B		3833	39000	10141404	225
010.261-026	TEST-ENGINE EVALUATOR	4	4	4	7	M46	I	15.0503 15.0803	3719	32900	10081898	216
010.267-010	SCOUT	5	4	4	6	L56	B		3833	32007	10081809	225
010.281-022	WELL-LOGGING OPERATOR, MUD ANALYSIS	4	4	4	5	L46	B5		3833	33001	10081899	225
017.281-030	DRAFTER, OIL AND GAS	4	4	3	7	L46	I	15.0202 48.0102 48.0103 48.0105	3720	32003	10080601	217
018.167-042	SURVEYOR, GEOPHYSICAL PROSPECTING	5	4	4	6	L46	O	15.0203	1649	32008	10081600	063
024.364-010	PALEONTOLOGICAL HELPER	3	2	2	6	L46	I4	41.0302	3833	33900	10081899	225
024.381-010	LABORATORY ASSISTANT	4	4	3	5	L4	I	41.0302	3833	33001	10081899	225
029.261-010	LABORATORY TESTER	4	4	3	5	L46	I	02.0306 15.0601 15.0602 15.0702 20.0407 41.0301 41.0302	3831	33001	10081899	224
029.261-022	TESTER	4	4	3	6	L46	I67		3890	33001	10081899	225
181.167-010	MANAGER, FIELD PARTY, GEOPHYSICAL PROSPE	4	4	4	6	L4	B		1360	19000	20061699	019
181.167-014	SUPERINTENDENT, DRILLING AND PRODUCTION	5	5	4	8	L5	B5		1360	19000	20061699	019
194.382-010	SECTION-PLOTTER OPERATOR	3	3	3	5	L46	I		3719	32900	10081898	216
199.364-014	SCIENTIFIC HELPER	4	4	4	6	M46	B	03.0404 15.0504 15.0609 15.0610 15.0702 41.0101 41.0102 41.0201 41.0203 41.0204 41.0301 41.0303 41.0304 41.0305	3990	32900	10081898	235
549.131-010	SUPERVISOR, NATURAL-GAS-FIELD PROCESSING	4	3	3	7	L5	B56	06.2001	7100	55B29	50040003	633
549.260-010	REFINERY OPERATOR	4	3	3	8	L23456	B567	47.0504	6950	55Q07	61088625	699
549.362-014	TREATER	4	3	3	7	L2346	B567		7676	55Q82	61089073	757
914.167-010	DISPATCHER, CHIEF 2	4	3	4	7	S45	I	06.2001	7100	55B29	50040003	633
914.167-014	DISPATCHER, OIL	4	4	4	7	S5	I		4751	55H77 59001	50144022 50144899	359

*** PROGRAM: 15.0903 PETROLEUM TECHNOLOGY. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
914.382-014	PUMPER-GAGER	4	3	3	7	M2346	0567	47.0305 47.0504	8319	55B75	80001019	859
914.382-018	PUMPER-GAGER APPRENTICE	4	3	3	7	M2346	0567	47.0305 47.0504	8319	55B75	80001019	859
930.130-010	TOOL PUSHER	4	2	3	8	L5	05		6320	55B29	50040003	613
930.131-010	FIELD SUPERVISOR, OIL-WELL SERVICES	4	3	3	7	L345	05		6320	55B29	50040003	613
930.167-010	TECHNICAL OPERATOR	4	3	3	6	L456	05		3833	55D10	50142206	225
930.261-010	FISHING-TOOL TECHNICIAN, OIL WELL	4	3	3	7	L45	0		6520	59001	50144899	614
930.261-014	FORMATION-TESTING OPERATOR	4	3	3	6	L45	05		6881	55B34	61088604	689
939.131-014	SUPERVISOR, PRODUCTION	4	3	3	8	L5	B	06.2001	7100	55B29	50040003	633
939.131-018	WELL PULLER, HEAD	4	3	3	7	H2456	056	06.2001	8120	55B29	50040003	843
939.132-014	OIL-WELL-SERVICES SUPERVISOR	4	3	3	8	L5	056	06.2001	6320	55B29	50040003	613
939.137-010	CHIEF DISPATCHER	4	4	4	7	S45	I	06.2001	7100	61396	40061200	633

PROGRAM: 15.0999 MINING AND PETROLEUM TECHNOLOGIES, OTHER.

ANY INSTRUCTIONAL PROGRAM IN MINING AND PETROLEUM TECHNOLOGIES NOT DESCRIBED ABOVE.

PROGRAM: 15.9900 ENGINEERING AND ENGINEERING-RELATED TECHNOLOGIES, OTHER.

A GROUP OF INSTRUCTIONAL PROGRAMS IN ENGINEERING AND ENGINEERING-RELATED TECHNOLOGIES NOT DESCRIBED ABOVE.

PROGRAM: 15.9999 ENGINEERING AND ENGINEERING-RELATED TECHNOLOGIES, OTHER.

ANY INSTRUCTIONAL PROGRAM IN ENGINEERING AND ENGINEERING-RELATED TECHNOLOGIES NOT DESCRIBED ABOVE.

PROGRAM: 22.0100 LAW.

A GROUP OF INSTRUCTIONAL PROGRAMS THAT DESCRIBE THE PRINCIPLES AND PROCEDURES, IN THE FORM OF LEGISLATION, DECISIONS, REGULATIONS, AND ORDERS, DEVELOPED AND ENFORCED BY INSTITUTIONS OF GOVERNMENT IN ORDER TO MAINTAIN SOCIAL ORDER.

PROGRAM: 22.0103 LEGAL ASSISTING.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ASSIST PROFESSIONAL LAWYERS OR TO WORK IN COURTHOUSES. INCLUDES INSTRUCTION IN BASIC PRINCIPLES OF LAW; LEGAL DOCUMENTATION; LEGAL-LIBRARY OPERATIONS AND UTILIZATION; CIVIL AND CRIMINAL LAW; LEGAL RECORDS; COURTS; AND LEGAL PROCEDURES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
119.167-018	TITLE SUPERVISOR	5	3	5	8	S45	I	07.0401	3960	19000	20061699	243
119.267-010	ABSTRACTOR	5	3	5	6	S4	I		3960	25485	10243811	243
119.267-018	CONTRACT CLERK	5	2	5	7	S46	I		3960	39000	10141404	243
119.267-022	LEGAL INVESTIGATOR	5	2	5	7	S5	I		3960	25445 25462	10242201 10242203	243
119.267-026	PARALEGAL ASSISTANT	5	2	5	7	S	I		3960	25445 25462	10242201 10242203	243
119.287-010	TITLE EXAMINER	5	3	5	7	S45	I		3960	25485	10243811	243
162.267-010	TITLE CLERK	5	4	5	6	S5	I		3960	25484	10243899	243
216.362-030	PROBATE CLERK	4	4	4	5	S45	I		4699	61900	40066898	336

PROGRAM: 25.0300 LIBRARY ASSISTING.

A GROUP OF INSTRUCTIONAL PROGRAMS. (SEE 25.0301)

PROGRAM: 25.0301 LIBRARY ASSISTING.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ASSIST PROFESSIONAL LIBRARIANS. INCLUDES INSTRUCTION IN PRINCIPLES, SYSTEMS, PROCESSES, AND PROCEDURES IN LIBRARY OPERATION; LIBRARY RESOURCES AND SERVICES; PROCESSES OF ACQUISITION, CATALOGING, STORAGE, AND DISPLAY SYSTEMS; DISCOVERY AND RETRIEVAL OF REQUESTED MATERIALS; MANAGEMENT OF BOOKS, PERIODICALS, AND OTHER PRINTED MATERIALS; TECHNOLOGICAL MEDIA SUCH AS AUDIOVISUAL AND EDUCATION EQUIPMENT; PUBLIC SERVICES SUCH AS LIBRARY LOANS; AND DATA-PROCESSING IMPLICATIONS FOR AUTOMATION OF RECORDS IN LIBRARIES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
100.367-010	BIBLIOGRAPHER	4	2	4	7	S46	I		2510	34029	10141405	164
100.367-014	CLASSIFIER	4	3	4	6	L46	I		2510	34029	10141405	164
100.367-018	LIBRARY TECHNICAL ASSISTANT	4	3	3	5	L46	I		3990	34029	10141405	235

PROGRAM: 41.0000 SCIENCE TECHNOLOGIES.

A SUMMARY OF GROUPS OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS TO SUPPORT AND ASSIST VARIOUS SCIENTISTS AND ENGINEERS. PROGRAMS STRESS SPECIALIZED PRACTICAL KNOWLEDGE RELATED TO THE MECHANICAL, SCIENTIFIC, OR TECHNICAL ASPECTS OF VARIOUS BIOLOGICAL, PHYSICAL, AND NUCLEAR SCIENCES.

PROGRAM: 41.0100 BIOLOGICAL TECHNOLOGIES.

A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARES INDIVIDUALS TO SUPPORT AND ASSIST BIOLOGISTS IN A VARIETY OF SETTINGS, INCLUDING COMMERCIAL, GOVERNMENTAL, EDUCATIONAL, OR OTHER RESEARCH, BIOLOGICAL OR PHARMACEUTICAL LABORATORIES.

PROGRAM: 41.0101 BIOLOGICAL LABORATORY TECHNOLOGY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO SUPPORT BIOLOGICAL SCIENTISTS IN COMMERCIAL, GOVERNMENTAL, OR OTHER BIOLOGICAL OR PHARMACEUTICAL LABORATORIES, OR TO ASSIST TEACHERS IN BIOLOGICAL-SCIENCE CLASSROOMS OR LABORATORY SITUATIONS. INCLUDES INSTRUCTION IN IDENTIFICATION OF BIOLOGICAL AND ZOOLOGICAL SPECIMENS (BOTH MICROORGANISMS AND MACROORGANISMS.) AND IN PREPARING OR PROCESSING SPECIMENS FOR BIOLOGICAL-SCIENCE RESEARCH OR OPERATIONAL PROCEDURES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
041.381-010	BIOLOGY SPECIMEN TECHNICIAN	4 3 3	7	S46	I	41.0102	3820	33002	10081899	223
049.384-010	BIOLOGICAL AIDE	3 3 3	6	M46	B	01.0302 01.0304	3820	33002	10081899	223
049.384-010	BIOLOGICAL AIDE	3 3 3	6	M46	B	02.0402 02.0403	3820	33002	10081899	223
168.167-066	QUALITY-CONTROL COORDINATOR	4 4 4	6	S56	I		1473	33002	10081899	036
199.364-014	SCIENTIFIC HELPER	4 4 4	6	M46	B	03.0404 15.0504 15.0609 15.0610 15.0702 15.0903 41.0102 41.0201 41.0203 41.0204 41.0301 41.0303 41.0304 41.0305	3990	32900	10081898	235

PROGRAM: 41.0102 OCEANOGRAPHIC (BIOLOGICAL) TECHNOLOGY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO SUPPORT MARINE BIOLOGISTS OR OCEANOGRAPHERS IN COLLECTING OR IDENTIFYING SAMPLES OF MARINE ORGANISMS, INVERTEBRATES, OR VERTEBRATES; IDENTIFYING THEM BIOLOGICALLY; AND DETERMINING THE DEGREE OF NORMALCY OR ABNORMALCY OF THE SPECIMENS. INCLUDES INSTRUCTION IN THE BIOLOGY OF MARINE ORGANISMS; PROCESSES AND MATERIALS FOR COLLECTING, IDENTIFYING, PRESERVING, DISSECTING, DESCRIBING, STAINING, DRAWING, AND LABELING MARINE ORGANISMS FOUND IN OCEANS, LAKES, RIVERS, AND STREAM SYSTEMS; THE DEVELOPMENT, MAINTENANCE AND EXPLORATION OF FISHERIES AND MARINE PLANT ECOLOGY; AND EFFECTIVE FUNCTIONING ON BOARD ALL TYPES OF BOATS AND SHIPS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
041.381-010	BIOLOGY SPECIMEN TECHNICIAN	4 3 3	7	S46	I	41.0101	3820	33002	10081899	223
199.364-014	SCIENTIFIC HELPER	4 4 4	6	M46	B	03.0404 15.0504 15.0609 15.0610 15.0702 15.0903 41.0101 41.0201 41.0203 41.0204 41.0301 41.0303 41.0304 41.0305	3990	32900	10081898	235

PROGRAM: 41.0199 BIOLOGICAL TECHNOLOGIES, OTHER.

ANY INSTRUCTIONAL PROGRAM IN BIOLOGICAL TECHNOLOGIES NOT DESCRIBED ABOVE.

PROGRAM: 41.0200 NUCLEAR TECHNOLOGIES.

A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS TO SUPPORT PROFESSIONALS ENGAGED IN DEVELOPING, MANUFACTURING, TESTING, RESEARCHING, MAINTAINING, STORING, AND HANDLING MATERIALS IN THE NUCLEAR SCIENCE AND ENERGY FIELD. INCLUDES INSTRUCTION IN NUCLEAR PHYSICS, RADIOISOTOPES, NUCLEAR INSTRUMENTATION, AND SAFETY PROCEDURES.

PROGRAM: 41.0201 NUCLEAR MATERIALS HANDLING TECHNOLOGY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO SUPPORT NUCLEAR SCIENTISTS AND ENGINEERS IN HANDLING NUCLEAR MATERIALS AND IN FABRICATING, LABELING, PACKAGING, AND SAFELY TRANSPORTING NUCLEAR FUEL ELEMENTS AND RADIOACTIVE NUCLEAR POWER PLANT WASTES. INCLUDES INSTRUCTION IN NUCLEAR RADIATION, DESIGN AND FABRICATION OF NUCLEAR FUEL ELEMENTS, DETECTION AND INTENSITY MEASUREMENT OF RADIOACTIVITY, AND RELATED SAFETY PROCEDURES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
015.362-018	HOT-CELL TECHNICIAN	4	3	4	7	L456	I6		3332	33001	10081899	225
168.267-054	INSPECTOR, INDUSTRIAL WASTE	5	4	5	6	M2345	B47	15.0506	1473	10001	20040800	036
199.364-014	SCIENTIFIC HELPER	4	4	4	6	M46	B	03.0404 15.0504 15.0609 15.0610 15.0702 15.0903 41.0101 41.0102 41.0203 41.0204 41.0301 41.0303 41.0304	3990	32900	10081898	235
199.364-014	SCIENTIFIC HELPER	4	4	4	6	M46	B	41.0305	3990	32900	10081898	235
199.384-010	DECONTAMINATOR	3	3	3	6	M46	I467	41.0203 47.0503	3990	39000	10141404	235
709.137-010	INSPECTION SUPERVISOR	4	3	3	8	M456	I6		6700	55B29	50040003	633
709.381-010	ATOMIC-FUEL ASSEMBLER	4	2	2	4	L46	I6		6869	55E22	61080440	684
950.562-010	PANELBOARD OPERATOR	4	4	4	7	L456	I6	41.0203	6931	55G14	61087290	696
955.167-010	DISPATCHER, RADIOACTIVE-WASTE-DISPOSAL	4	4	4	7	L456	I6		6910	62003	40062400	694
955.382-014	WASTE-TREATMENT OPERATOR	4	4	4	6	L456	I6		6910	55G14	61087290	694

PROGRAM: 41.0202 NUCLEAR POWER PLANT OPERATION TECHNOLOGY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO BECOME LICENSED NUCLEAR POWER PLANT OPERATORS. INCLUDES INSTRUCTION IN RADIOLOGY, RADIATION DETECTION, DESIGN, CONTROL, MATERIALS, PROCESSES, MATERIAL BALANCES, EQUIPMENT, PIPING SYSTEMS, AND INSTRUMENTATION IN THE NUCLEAR POWER PLANT, WITH EMPHASIS ON SAFETY PROCEDURES AND PRECAUTIONS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
015.362-026	REACTOR OPERATOR, TEST-AND-RESEARCH	4	4	4	7	L456	I6	41.0203	3832	33001	10081899	225
952.362-022	POWER-REACTOR OPERATOR	4	3	3	7	M456	I		6932	55C34	50120800	695

PROGRAM: 41.0203 NUCLEAR POWER PLANT RADIATION CONTROL TECHNOLOGY.

AN INSTRUCTIOANL PROGRAM THAT PREPARES INDIVIDUALS TO DETECT RADIOACTIVE MATERIALS, TO MEASURE INTENSITY OR LEVEL OF RADIATION, TO PROTECT WORKERS, AND TO DECONTAMINATE RADIOACTIVE AREAS CAUSED BY SPILLS, MISHANDLED MATERIALS, OR OTHER UNUSUAL CAUSES. INCLUDES INSTRUCTION IN NUCLEAR AND RADIATION PHYSICS, DETECTION AND MEASUREMENT OF RADIOACTIVE MATERIALS, MANDATED CODES AND PERMISSIBLE LEVELS OF RADIATION, CALIBRATION AND USE OF DETECTING INSTRUMENTS, RADIATION BYPRODUCTS, AND RADIOISOTOPES AND THEIR CONTROL.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
015.362-026	REACTOR OPERATOR, TEST-AND-RESEARCH	4	4	4	7	L456	I6	41.0202	3832	33001	10081899	225
199.167-010	RADIATION MONITOR	4	4	4	6	L456	I6		3832	34026	10141404	225
199.364-014	SCIENTIFIC HELPER	4	4	4	6	M46	B	03.0404 15.0504 15.0609 15.0610 15.0702 15.0903 41.0101 41.0102 41.0201 41.0204 41.0301 41.0303 41.0304 41.0305	3990	32900	10081898	235
199.384-010	DECONTAMINATOR	3	3	3	6	M46	I467	41.0201 47.0503	3990	39000	10141404	235
950.562-010	PANELBOARD OPERATOR	4	4	4	7	L456	I6	41.0201	6931	55G14	61087290	696

PROGRAM: 41.0204 RADIOLOGICAL (PHYSICAL) TECHNOLOGY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO USE RADIOACTIVE ISOTOPES FOR INDUSTRIAL, COMMERCIAL, AND RESEARCH PURPOSES SUCH AS DETERMINING THE FLOW OF UNDERGROUND STREAMS, MEASURING RAINFALL IN AREAS REMOTE FROM HUMAN HABITATION, NONDESTRUCTIVE TESTING AND INSPECTION OF MATERIALS, AND CONTINUOUS MEASUREMENT OF PAPER OR METAL THICKNESS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
015.362-014	GAMMA-FACILITIES OPERATOR	4	4	4	7	M3456	I		3832	33001	10081899	225
015.362-022	RADIOISOTOPE-PRODUCTION OPERATOR	4	3	4	6	L46	I6		3832	33001	10081899	225
015.384-010	SCANNER	4	3	4	6	S46	I		3832	33001	10081899	225
199.361-010	RADIOGRAPHER	4	4	4	5	L46	I6	47.0503	3990	32009	10081898	235

*** PROGRAM: 41.0204 RADIOLOGICAL (PHYSICAL) TECHNOLOGY. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
199.364-014	SCIENTIFIC HELPER	4 4 4	6	M46	B	03.0404 15.0504 15.0609 15.0610 15.0702 15.0903 41.0101 41.0102 41.0201 41.0203 41.0301 41.0303 41.0304 41.0305	3990	32900	10081898	235

PROGRAM: 41.0299 NUCLEAR TECHNOLOGIES, OTHER. ANY INSTRUCTIONAL PROGRAM IN NUCLEAR TECHNOLOGIES NOT DESCRIBED ABOVE.

PROGRAM: 41.0300 PHYSICAL SCIENCE TECHNOLOGIES. A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS TO SUPPORT AND ASSIST PHYSICAL SCIENTISTS AND OTHER RELATED PROFESSIONALS. PROGRAMS STRESS SPECIALIZED, PRACTICAL KNOWLEDGE RELATED TO THE MECHANICAL, SCIENTIFIC, OR TECHNICAL ASPECTS OF THE PHYSICAL SCIENCES.

PROGRAM: 41.0301 CHEMICAL TECHNOLOGY. AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO SUPPORT CHEMISTS IN RESEARCHING, PILOTING, CONTROLLING, DIRECTING AND MAINTAINING PROCESSING AND QUALITY CONTROL IN THE CHEMICAL MANUFACTURING FIELD. INCLUDES INSTRUCTION IN MATERIAL HANDLING, CRUSHING, GRINDING, AND SIZING; EXTRACTION, DISTILLATION, EVAPORATION, DRYING, ABSORPTION, AND HEAT TRANSFER; AND ASSISTING IN DESIGN INSTALLATION AND OPERATION OF PILOT PLANTS FOR CHEMICAL MANUFACTURING PROCESSES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
008.261-010	CHEMICAL-ENGINEERING TECHNICIAN	5 5 5	8	L46	B	15.0601	3719	32900	10081898	216
022.161-018	PERFUMER	5 5 4	7	L56	I7	15.0601	3831	33001	10081899	224
022.261-010	CHEMICAL-LABORATORY TECHNICIAN	5 4 3	7	L46	I7	15.0601	3831	33001	10081899	224
022.281-010	ASSAYER	5 5 4	7	L46	I	15.0601	3831	33001	10081899	224

*** PROGRAM: 41.0301 CHEMICAL TECHNOLOGY. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
029.261-010	LABORATORY TESTER	4	4	3	5	L46	I	02.0306 15.0601 15.0602 15.0702 15.0903 20.0407 41.0302	3831	33001	10081899	224
199.364-014	SCIENTIFIC HELPER	4	4	4	6	M46	B	03.0404 15.0504 15.0609 15.0610 15.0702 15.0903 41.0101 41.0102 41.0201 41.0203 41.0204 41.0303 41.0304 41.0305	3990	32900	10081898	235
550.131-010	COSMETICS SUPERVISOR	4	3	3	7	L456	I	15.0601	7100	55B29	50040003	633
550.132-010	SUPERVISOR	4	2	3	6	L45	I67	15.0601	7100	55B29	50040003	633
550.137-010	SUPERVISOR, COMPOUNDING-AND-FINISHING	4	3	3	8	L45	I7	15.0601	7100	55B29	50040003	633
552.132-010	SHIFT SUPERINTENDENT, CAUSTIC CRESYLATE	4	3	3	8	L256	B7	15.0601	7100	55B29	50040003	633
552.362-022	STILL OPERATOR, BATCH OR CONTINUOUS	4	3	3	6	L246	I7	15.0601	7676	55Q11	61087287	757
553.382-018	EVAPORATOR OPERATOR	4	3	3	6	L246	I567		7675	55I39	61087254	766
558.260-010	CHIEF OPERATOR	4	3	3	7	L456	I	15.0601	6940	55S53	61087295	699
558.582-010	PHOSPHORIC-ACID OPERATOR	4	3	3	7	L2456	I567	15.0601	7676	55G14	61087290	757
559.132-018	CATALYST OPERATOR, CHIEF	4	3	3	7	L456	I7	15.0601	6700	55B29	50040003	633
559.382-046	PILOT-CONTROL OPERATOR	4	3	3	7	L46	I7	15.0601	7476	55G14	61087290	757

PROGRAM: 41.0302 GEOLOGICAL TECHNOLOGY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO SUPPPORT AND ASSIST GEOLOGISTS. PROGRAMS STRESS SPECIALIZED, PRACTICAL KNOWLEDGE RELATED TO THE MECHANICAL, SCIENTIFIC, OR TECHNICAL ASPECTS OF GEOLOGY.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
010.161-018	OBSERVER, SEISMIC PROSPECTING	4	4	4	7	L456	O	15.0903	1625	39000	10141404	047
024.364-010	PALEONTOLOGICAL HELPER	3	2	2	6	L46	I4	15.0903	3833	33900	10081899	225
024.381-010	LABORATORY ASSISTANT	4	4	3	5	L4	I	15.0903	3833	33001	10081899	225

*** PROGRAM: 41.0302 GEOLOGICAL TECHNOLOGY. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
029.261-010	LABORATORY TESTER	4 4 3	5	L46	I	02.0306 15.0601 15.0602 15.0702 15.0903 20.0407 41.0301	3831	33001	10081899	224

PROGRAM: 41.0303 METALLURGICAL TECHNOLOGY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO SUPPORT PROFESSIONAL PERSONNEL IN THE PRODUCTION OF, QUALITY CONTROL OF, AND RESEARCH ON METALS. INCLUDES INSTRUCTION IN CONDUCTING TESTS ON THE PROPERTIES OF METALS; DESIGNING AND DEVELOPING PILOT AND PRODUCTION PLANTS; DEVELOPING, OPERATING, AND ALTERING TEST PROCEDURES, PROCESSES, AND EQUIPMENT; AND THE ANALYSIS OF DATA AND PREPARATION OF REPORTS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
011.161-010	SUPERVISOR, METALLURGICAL-AND-QUALITY-CO	5 5 5	8	L456	I		1623	21009	10021400	045
011.261-010	METALLURGICAL TECHNICIAN	4 4 4	6	L46	I	15.0610	3719	32900	10081898	216
011.261-014	WELDING TECHNICIAN	4 3 3	8	L456	I	15.0610	3719	32900	10081898	216
011.281-010	LABORATORY ASSISTANT, METALLURGICAL	4 4 4	7	L46	I	15.0610	3719	32900	10081898	216
011.281-014	SPECTROSCOPIST	4 4 4	7	L46	I	15.0610	3719	32013	10081898	216
011.361-010	TESTER	4 4 3	5	L46	I	15.0610 15.0702	3719	32900	10081898	216
199.364-014	SCIENTIFIC HELPER	4 4 4	6	M46	B	03.0404 15.0504 15.0609 15.0610 15.0702 15.0903 41.0101 41.0102 41.0201 41.0203 41.0204 41.0301 41.0304 41.0305	3990	32900	10081898	235

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PROGRAM: 41.0304 METEOROLOGICAL TECHNOLOGY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ASSIST METEOROLOGISTS OR TO WORK IN THE INTERPRETATION AND PRESENTATION OF WEATHER INFORMATION, BASED ON REPORTS FROM THE NATIONAL WEATHER SERVICE OR OTHER AGENCY SOURCES. INCLUDES INSTRUCTION IN THE THEORY AND APPLIED SCIENCE OF METEOROLOGY AND WEATHER FORECASTING; METHODS, PROCEDURES, TECHNIQUES, AND PRACTICES USED IN IDENTIFYING WEATHER-MAKING ATMOSPHERIC PHENOMENA; USE OF INSTRUMENTS FOR DETERMINING WIND VELOCITY, RAINFALL, TEMPERATURE, AND OTHER METERORLOGICAL CONDITIONS; THE SYSTEM FOR CHARTING WEATHER AND THE SYMBOLS FOR DESCRIBING WEATHER CONDITIONS; PHOTOGRAPHY AND PHOTOGRAMMETRY AS RELATED TO THE IDENTIFICATION OF WEATHER-MAKING PHENOMENA (AS SHOWN ON WEATHER SATELLITE PHOTOGRAPHS); AND MAKING WEATHER PREDICTIONS BASED ON WEATHER SYSTEMS CHARTED AND OBSERVED AT A GIVEN TIME.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
025.267-010	OCEANOGRAPHER, ASSISTANT	5 5 4	7	M245	I5	41.0305	3890	33001	10081899	225
025.267-014	WEATHER OBSERVER	4 4 4	6	L6	I		3890	33001	10081899	225
199.364-014	SCIENTIFIC HELPER	4 4 4	6	M46	B	03.0404 15.0504 15.0609 15.0610 15.0702 15.0903 41.0101 41.0102 41.0201 41.0203 41.0204 41.0301 41.0303 41.0305	3990	32900	10081898	235

PROGRAM: 41.0305 OCEANOGRAPHIC (PHYSICAL) TECHNOLOGY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO UNDERSTAND THE SPECIALIZED EQUIPMENT, INSTRUMENTS, PROCEDURES, AND TECHNIQUES DETERMINING THE DEPTH, TEMPERATURE, CHEMICAL COMPOSITION, AND RATE AND DIRECTION OF FLOW OF UNDERWATER CURRENTS IN OCEANS, SEAS, OR OTHER MAJOR BODIES OF WATER; THE CONSTRUCTION AND OPERATION OF DEVICES USED TO MAKE MEASUREMENTS OF THE CHARACTERISTICS OF BODIES OF WATER, TEMPERATURE GRADIENTS, CHEMICAL COMPOSITION, AND DYNAMICS OF WATER MOVEMENT; AND EFFECTIVE FUNCTIONING ON BOARD SHIP.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
018.167-046	SURVEYOR, MARINE	5	5	4	7	M456	O	15.0201 15.0203	1649	32008	10081600	063
025.264-010	HYDROGRAPHER	4	4	4	6	M46	O	03.0202	3890	33001	10081899	225
025.267-010	OCEANOGRAPHER, ASSISTANT	5	5	4	7	M245	I5	41.0304	3890	33001	10081899	225
199.364-014	SCIENTIFIC HELPER	4	4	4	6	M46	B	03.0404 15.0504 15.0609 15.0610 15.0702 15.0903 41.0101 41.0102 41.0201 41.0203 41.0204 41.0301 41.0303 41.0304	3990	32900	10081898	235

PROGRAM: 41.0399 PHYSICAL SCIENCE TECHNOLOGIES, OTHER.

ANY INSTRUCTIONAL PROGRAM IN PHYSICAL SCIENCE TECHNOLOGIES NOT DESCRIBED ABOVE.

PROGRAM: 41.9900 SCIENCE TECHNOLOGIES, OTHER.

ANY INSTRUCTIONAL PROGRAM IN SCIENCE TECHNOLOGIES NOT DESCRIBED ABOVE.

PROGRAM: 41.9999 SCIENCE TECHNOLOGIES, OTHER.

ANY INSTRUCTIONAL PROGRAM IN SCIENCE TECHNOLOGIES NOT DESCRIBED ABOVE.

PROGRAM: 43.0100 CRIMINAL JUSTICE.

A GROUP OF INSTRUCTIONAL PROGRAMS THAT DESCRIBE THE PRINCIPLES AND PROCEDURES OF DEVELOPING, ADMINISTRATING, AND MANAGING CORRECTIONAL, LAW ENFORCEMENT, AND FORENSIC SERVICES.

PROGRAM: 43.0105 CRIMINAL JUSTICE TECHNOLOGY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO WORK IN A LAW ENFORCEMENT AGENCY, CRIME LABORATORY, MOBILE UNIT DEALING WITH PHYSICAL EVIDENCE, JUVENILE COURT, OR CORRECTIONAL INSTITUTION. INCLUDES INSTRUCTION IN PATROL AND INVESTIGATIVE ACTIVITIES; TRAFFIC CONTROL; USING POLYGRAPH EQUIPMENT; PROCEDURES FOR INITIAL CONTACT WITH THE PUBLIC IN SUCH MATTERS AS OBTAINING INFORMATION, PREPARING REPORTS, AND TESTIFYING IN COURT; TECHNIQUES FOR COLLECTION, PREPARATION, AND TRANSPORTATION OF PHYSICAL EVIDENCE; METHODS OF CRIME PREVENTION; AND METHODS FOR INVESTIGATION AND REFERRAL OF NEGLECTED DEPENDENT CHILDREN, DELINQUENTS, AND YOUTHFUL OFFENDERS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
029.281-010	CRIMINALIST	5	4	5	7	L3456	B		3890	33900	10081899	225
168.167-010	CUSTOMS PATROL OFFICER	5	3	4	8	L23456	B6	43.0107	5132	10001	20040800	418
168.267-062	INVESTIGATOR	5	4	4	6	L56	B	43.0107	1473	25503	10243404	036
188.167-090	SPECIAL AGENT, CUSTOMS	5	3	5	8	L56	I6	43.0107	1473	19000	20061699	036
195.167-030	PAROLE OFFICER	5	3	5	7	S5	I	43.0107	2032	25418	10243401	174
195.167-034	PROBATION OFFICER	5	3	5	7	S5	I	43.0107	2032	25418	10243401	174
199.267-010	BALLISTICS EXPERT, FORENSIC	5	5	5	7	L456	I5		3990	33900	10081899	235
199.267-026	POLYGRAPH EXAMINER	5	3	5	5	L456	I		3990	39000	10141404	235
199.267-030	TRAFFIC TECHNICIAN	5	4	5	7	L456	B5	15.0204	3990	32012	10081813	235
372.137-010	CORRECTION OFFICER, HEAD	4	2	3	6	L5	I	43.0109	5112	44501	70101004	414
375.117-010	POLICE CHIEF	5	3	4	9	S5	I	43.0107	1131	19000	20061699	006
375.133-010	POLICE SERGEANT, PRECINCT 1	3	2	3	6	L56	B6	43.0107	5112	44501	70101004	414
375.137-010	COMMANDER, IDENTIFICATION AND RECORDS	4	3	3	8	L5	I	43.0107	5112	44501	70101004	414
375.137-018	POLICE LIEUTENANT, COMMUNITY RELATIONS	4	3	3	8	S5	I	43.0107	5112	44501	70101004	414
375.137-026	TRAFFIC SERGEANT	4	2	3	7	L56	B	43.0107	5112	44501	70101004	414
375.163-010	COMMANDING OFFICER, MOTORIZED SQUAD	4	3	4	8	L5	B6	43.0107	5112	44501	70101004	414
375.167-010	COMMANDING OFFICER, HOMICIDE SQUAD	4	3	4	7	L5	I6	43.0107	5112	44501	70101004	414
375.167-014	COMMANDING OFFICER, INVESTIGATION DIVISI	4	2	3	7	L5	I	43.0107	5112	44501	70101004	414
375.167-022	DETECTIVE CHIEF	4	2	3	7	L5	I	43.0107	5112	44501	70101004	414
375.167-030	LAUNCH COMMANDER, HARBOR POLICE	4	2	3	6	L2456	B6	43.0107	5112	44501	70101004	414
375.167-034	POLICE CAPTAIN, PRECINCT	4	3	4	7	S5	I	43.0107	5112	44501	70101004	414
375.167-038	POLICE LIEUTENANT, PATROL	4	3	4	8	L5	I6	43.0107	5112	44501	70101004	414
375.167-042	SPECIAL AGENT	5	5	5	7	M23456	B6		5132	44502	70101005	418
375.167-046	TRAFFIC LIEUTENANT	4	2	3	7	L56	B	43.0107	5112	44501	70101004	414
375.227-010	POLICE-ACADEMY INSTRUCTOR	4	2	3	7	L5	I	43.0107	2249	25199	10206099	153
375.267-010	DETECTIVE	4	2	3	7	L56	B6	43.0107	5132	44502	70101005	418
375.267-014	DETECTIVE, NARCOTICS AND VICE	4	3	4	7	L56	B6	43.0107	5132	44502	70101005	418
375.267-018	INVESTIGATOR, NARCOTICS	4	2	3	7	L56	B6	43.0107	5132	44502	70101005	418
375.267-022	INVESTIGATOR, VICE	4	2	3	7	M56	B6	43.0107	5132	44502	70101005	418
375.267-026	POLICE INSPECTOR 1	4	3	4	7	L45	I	43.0107	5132	44501	70101004	418
375.384-010	POLICE OFFICER, IDENTIFICATION AND RECOR	4	3	3	7	L46	B	43.0107	5132	44502	70101005	418
375.387-010	FINGERPRINT CLASSIFIER	4	2	3	6	L6	I	43.0107	3990	39000	10141404	235
376.267-018	INVESTIGATOR, PRIVATE	4	3	4	5	L456	B	43.0107 43.0109	5144	44010	70101001	426

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*** PROGRAM: 43.0105 CRIMINAL JUSTICE TECHNOLOGY. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION		GED			S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
CODE	TITLE	R	M	L								
377.117-010	SHERIFF, DEPUTY, CHIEF	5	4	4	9	L5	I	43.0107	5134	44501	70101004	423
377.134-010	SUPERVISOR, IDENTIFICATION AND COMMUNICA	4	3	4	8	L456	I	43.0107	5112	44014	70200001	414
377.137-010	DEPUTY SHERIFF, COMMANDER, CIVIL DIVISIO	4	3	4	7	S5	I	43.0107	5134	44501	70101004	423
377.137-014	DEPUTY SHERIFF, COMMANDER, CRIMINAL AND	4	3	4	8	S5	I67	43.0107	5134	44501	70101004	423
377.167-010	DEPUTY SHERIFF, CHIEF	4	3	4	8	S5	I6	43.0107	5134	44501	70101004	423
377.264-010	IDENTIFICATION OFFICER	4	3	4	8	L46	B	43.0107	5132	44502	70101005	418

PROGRAM: 43.0200 FIRE PROTECTION.

A GROUP OF INSTRUCTIONAL PROGRAMS THAT DESCRIBE THE THEORY, PRINCIPLES AND TECHNIQUES OF DEVELOPING, ADMINISTRATING, AND MANAGING SERVICES FOR FIRE PREVENTION, FIRE FIGHTING, AND RESCUE.

PROGRAM: 43.0201 FIRE CONTROL AND SAFETY TECHNOLOGY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO FUNCTION AS FIRE CONTROL, PREVENTION AND SAFETY SPECIALISTS. INCLUDES INSTRUCTION IN STRUCTURAL DESIGN AND MATERIALS; METEOROLOGICAL FACTORS IMPINGING UPON FIRE SITUATIONS; CHEMISTRY OF COMBUSTION; TECHNIQUES FOR COPING WITH FIRES; PROCEDURES FOR HANDLING HAZARDOUS MATERIALS (SUCH AS PETROLEUM PRODUCTS, AND OTHER VOLATILE, EXPLOSIVE, OR CORROSIVE MATERIALS) EITHER ROUTINELY OR IN AN ACCIDENT SITUATION; METHODS FOR INSPECTION OF EQUIPMENT AND ITS PROPER USE; AND METHODS FOR INSPECTION OF PUBLIC AND PRIVATE PROPERTY FOR SAFETY CONDITIONS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION		GED			S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
CODE	TITLE	R	M	L								
012.167-058	SAFETY MANAGER	6	6	6	8	S456	I		1634	21012	10021000	056
168.167-030	INSPECTOR, BUILDING	5	4	4	7	L2356	B	15.0101 46.0403	1472	10009	20040400	035
168.167-034	INSPECTOR, ELECTRICAL	5	4	4	7	L2356	B	15.0302	1472	10009	20040400	035
168.167-034	INSPECTOR, ELECTRICAL	5	4	4	7	L2356	B	46.0302 46.0403	1472	10009	20040400	035
168.167-046	INSPECTOR, HEATING AND REFRIGERATION	5	4	4	7	L236	I	15.0501 46.0403 47.0202 47.0203	1472	10009	20040400	035
168.167-078	SAFETY INSPECTOR	5	4	5	8	L2356	B6	15.0608 15.0701	1473	25478	10243804	036
168.264-014	SAFETY INSPECTOR	4	3	4	6	L56	B	15.0608 15.0701	1473	29000	10243899	036
169.167-022	FIRE ASSISTANT	4	3	4	6	L56	B	03.0203 43.0203	1131	22308	10241600	006
373.267-010	FIRE INSPECTOR	4	3	4	7	L256	B	43.0203	5122	44551	70100402	416
373.367-010	FIRE INSPECTOR	3	3	3	5	M456	B		5122	44551	70100402	416
379.687-010	FIRE-EXTINGUISHER-SPRINKLER INSPECTOR	3	2	2	4	L234	B2	43.0203	5122	44551	70100402	416
909.127-010	SAFETY COORDINATOR	4	3	3	7	L456	I		1342	19000	20061699	019

PROGRAM: 49.0100 AIR TRANSPORTATION.

A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS TO ENGAGE IN ACTIVITIES CONCERNED WITH THE INFLIGHT OPERATION OF COMMERCIAL AND PRIVATE AIRPLANES, INCLUDING PILOTING, NAVIGATING, AND PROVIDING PASSENGER SERVICES AND GENERAL GROUND SUPPORT.

PROGRAM: 49.0101 AIR TRANSPORTATION, GENERAL.

AN INSTRUCTIONAL PROGRAM THAT GENERALLY PREPARES INDIVIDUALS TO ENGAGE IN ACTIVITIES CONCERNED WITH THE INFLIGHT OPERATION OF COMMERCIAL AND PRIVATE AIRPLANES, INCLUDING PILOTING, NAVIGATING, AND PROVIDING PASSENGER SERVICES AND GENERAL GROUND SUPPORT.

PROGRAM: 49.0102 AIRPLANE PILOTING AND NAVIGATION.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO PILOT AIRCRAFT AND ASSUME THE EVENTUAL COMMAND RESPONSIBILITY OF CARRYING PASSENGERS AND FREIGHT. INCLUDES INSTRUCTION IN AIRCRAFT STRUCTURE, BEHAVIOR, OPERATION, AND CONTROLS; RADIO COMMUNICATIONS; METEOROLOGY; NAVIGATION; AIRWAYS SAFETY AND TRAFFIC REGULATIONS; AND GOVERNMENTAL RULES AND REGULATIONS PERTAINING TO PILOTING AIRCRAFT. COMPLETION OF THIS PROGRAM PREPARES INDIVIDUALS TO TAKE FEDERAL AVIATION ADMINISTRATION (FAA) EXAMINATIONS FOR A COMMERCIAL PILOT'S CERTIFICATE.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
196.163-010	FLIGHT-OPERATIONS INSPECTOR	5	4	5	8	L456	B56		1473	34023	10140200	036
196.163-014	SUPERVISING AIRPLANE PILOT	5	5	5	8	L456	I56		1473	34023	10140200	036
196.167-010	CHIEF PILOT	5	4	5	9	L456	I56		8250	34023	10140200	226
196.167-014	NAVIGATOR	5	5	4	6	S46	I5		8250	34023	10140200	226
196.223-010	INSTRUCTOR, FLYING 1	5	4	5	7	L456	I56		8250	34023	10140200	226
196.223-014	INSTRUCTOR, PILOT	5	4	5	8	L456	I56		8250	34023	10140200	226
196.263-010	AIRPLANE PILOT	5	4	5	6	L456	I567	01.0502 02.0408	8250	34023	10140200	226
196.263-014	AIRPLANE PILOT, COMMERCIAL	5	5	5	7	L456	I56		8250	34023	10140200	226
196.263-018	AIRPLANE PILOT, PHOTOGRAMMETRY	5	4	4	7	L456	I56		8250	34023	10140200	226
196.263-022	CHECK PILOT	5	4	5	8	S456	I56		8250	34023	10140200	226
196.263-026	CONTROLLER, REMOTELY-PILOTED VEHICLE (RP	5	5	4	7	L456	I56		8250	34023	10140200	226
196.263-030	EXECUTIVE PILOT	5	4	5	7	L456	I56		8250	34023	10140200	226
196.263-034	FACILITIES-FLIGHT-CHECK PILOT	5	5	4	8	L456	I56		8250	34023	10140200	226
196.263-038	HELICOPTER PILOT	5	4	4	7	L456	I56		8250	34023	10140200	226
196.263-042	TEST PILOT	5	4	4	8	L456	I56		8250	34023	10140200	226
375.163-014	PILOT, HIGHWAY PATROL	5	3	4	6	L456	I56		5132	44503	70101006	418
621.261-018	FLIGHT ENGINEER	4	4	4	7	L3456	I5		8250	34010	10140800	226

PROGRAM: 49.0105 AIR TRAFFIC CONTROL

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS IN AIR-TRAFFIC MANAGEMENT AND CONTROL, USUALLY WITH ADDITIONAL TRAINING AT THE FEDERAL AVIATION ADMINISTRATION (FAA) FLIGHT CONTROL CENTER IN A COOPERATIVE EDUCATION PROGRAM. INCLUDES INSTRUCTION IN FLIGHT CONTROL; THE USE OF RADAR AND ELECTRONIC SCANNING DEVICES; PLOTTING OF FLIGHTS; RADIO COMMUNICATION; INTERPRETATION OF WEATHER CONDITIONS AFFECTING FLIGHTS; FLIGHT INSTRUMENTATION USED BY PILOTS; AND MAINTENANCE OF FLIGHT-CONTROL CENTER OR CONTROL TOWER LOG BOOKS AND REPORTS.

DICTIONARY OF OCCUPATIONAL TITLES CODE	FOURTH EDITION TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
193.162-010	AIR-TRAFFIC COORDINATOR	4	3	4	8	L456	I		3920	34002	10140400	227
193.162-014	AIR-TRAFFIC-CONTROL SPECIALIST, STATION	4	3	4	7	S45	I		3920	34002	10140400	227
193.162-018	AIR-TRAFFIC-CONTROL SPECIALIST, TOWER	4	3	4	8	L456	I		3920	34002	10140400	227
193.162-022	AIRLINE-RADIO OPERATOR, CHIEF	4	4	4	8	S45	I		3930	34027	10141000	228
193.167-010	CHIEF CONTROLLER	5	4	4	7	S5	I		3920	34002	10140400	227
193.262-010	AIRLINE-RADIO OPERATOR	4	4	4	7	S45	I		3930	34027	10141000	228
912.167-010	DISPATCHER	5	4	4	8	S45	I		3920	62012	40061801	227
912.367-010	FLIGHT-INFORMATION EXPEDITER	4	4	4	5	L45	I		4752	62003	40062400	363

PROGRAM: 49.0300 WATER TRANSPORATION.

A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS TO PERFORM TASKS ON FRESH-WATER AND SEA-GOING SHIPS, TUGBOATS, BARGES, FLOATING STRUCTURES, AND RELATED HARBOR AND DOCK MACHINERY. INCLUDES INSTRUCTION IN FIREFIGHTING; LIFEBOAT WORK; SWIMMING, FIBER AND WIRE ROPE HANDLING AND SPLICING; HULL MAINTENANCE AND PAINTING; CARGO-HANDLING GEAR AND GROUND TACKLE; MAINTENANCE, OPERATION, AND REPAIR OF MAIN ENGINES AND AUXILIARY STEAM, REFRIGERATION, WATER, AND ELECTRICAL SYSTEMS; AND WATCHKEEPING, STOREKEEPING, AND FOOD PREPARATION.

PROGRAM: 49.0303 COMMERCIAL FISHING OPERATION.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO SUPPORT THE CAPTAIN OF A FISHING BOAT OR PERFORM AS AN OFFICER IN CHARGE OF VARIOUS TYPES OF BOATS FOR COMMERCIAL OR RECREATIONAL FISHING PURPOSES. INCLUDES INSTRUCTION IN OPERATION OF BOATS, FISHING GEAR. NAVIGATIONAL INSTRUMENTS, ELECTRONIC FISH-FINDING AND DEPTH MEASURING DEVICES, AND SPECIALIZED GEAR REQUIRED FOR CATCHING, IDENTIFYING, SORTING, AND STORING FISH OR OTHER MARINE PRODUCTS; SAFETY PROCEDURES; MARINE LAW AND TRADITION; MAINTENANCE OF SHIPS LOGS AND REPORT PREPARATION: AND EFFECTIVE FUNCTIONING ON BOARD ALL TYPES OF BOATS. PROGRAMS PROVIDE PREPARATION FOR LICENSURE BY THE COAST GUARD.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
197.133-010	CAPTAIN, FISHING VESSEL	4	4	4	7	L2456	B46		8241	00000	20060801	497
197.133-018	MATE, FISHING VESSEL	4	4	4	7	M23456	B46	49.0308	8241	00000	20060801	497

PROGRAM: 49.0304 DEEP WATER DIVING AND LIFE SUPPORT SYSTEMS.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO DEEP-WATER DIVE OR SERVE AS ATTENDANTS ON BOARD BOATS FROM WHICH DIVING IS DONE. INCLUDES INSTRUCTION IN THE USE OF DIVING BELLS AND OTHER SPECIALIZED GEAR; PROBLEMS AND HAZARDS OF DIVING; MIXING AND DELIVERING OXYGEN AND OTHER LIFE SUPPORT GASES; COMMUNICATION SYSTEMS; DECOMPRESSION SYSTEMS, AND LIMITS OF DEPTH OF DIVING; DEEP UNDERWATER SALVAGE; EXPLORATION, RESCUE, AND PHOTOGRAPHY; AND INSTALLATION OF UNDERWATER MECHANICAL SYSTEMS AND THEIR MAINTENANCE, REPAIR, OR DEMOLITION.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
029.383-010	PILOT, SUBMERSIBLE	5	3	4	5	L456	0246		3890	33900	10081899	225
899.261-010	DIVER	4	3	3	7	H346	0246		6179	59001	50144899	547
899.664-010	DIVER HELPER	3	1	2	3	M3456	0		8648	56900	80002823	865
911.263-010	DEEP SUBMERGENCE VEHICLE OPERATOR	3	2	2	7	L456	I46		8242	59001	50144899	828

PROGRAM: 49.0305 MARINA OPERATIONS.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO MANAGE AND OPERATE COMMERCIAL MARINAS. INCLUDES INSTRUCTION IN ACCOMMODATING, DOCKING, SERVICING, AND PROVISIONING RECREATIONAL OR SMALL COMMERCIAL FISHING OR OTHER BOATS; DESIGNING, INSTALLING, AND MAINTAINING DOCKS, WHARFS, AND RELATED EQUIPMENT; INSURING SANITATION OF FACILITIES; FUELING AND PREVENTING FIRES; PROTECTING WHARF AND DOCKING FACILITIES FROM BIOLOGICAL OR OTHER DESTRUCTIVE AGENTS; MAINTAINING FACILITIES AND MANNING THE ESTABLISHMENT TO SERVE THE PUBLIC; AND BASIC MARINE LAWS AND LEGAL RESPONSIBILITIES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
184.167-182	SUPERINTENDENT, MARINE	5	5	4	8	S45	B		1342	19000	20061699	019
187.167-130	MANAGER, MARINE SERVICE	4	3	3	8	L2456	B45	49.0306	6000	19000	20061699	503
320.137-014	MANAGER, LODGING FACILITIES	4	3	4	7	L45	B	06.1401 06.0701 08.0902 08.0903	1351	19000	20061699	019

PROGRAM: 50.0800 GRAPHIC ARTS TECHNOLOGY.

A GROUP OF INSTRUCTIONAL PROGRAMS (SEE 50.0801).

PROGRAM: 50.0801 GRAPHIC ARTS TECHNOLOGY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS IN ALL PHASES OF HOT-TYPE, COLD-TYPE, AND COMPUTER-TYPE SETTING, INCLUDING TYPOGRAPHICAL LAYOUT, COMPOSITION, PRESS WORK, BINDING LITHOGRAPHY, PHOTO-ENGRAVING, AND OTHER GRAPHIC ARTS RELATED TO THE PRINTING INDUSTRY. INCLUDES INSTRUCTION IN DRAWING AND LETTERING: THEORY AND SCIENCE RELATING TO CAMERA WORK AND PHOTOGRAPHY, TYPOGRAPHICAL LAYOUTS, AND MACHINE-TYPE SETTING: SILK (OR OTHER) SCREEN PRINTING. MULTICOLOR COMPOSITION AND PRINTING; INK AND COLOR PREPARATION PAPER AND OTHER PRINTING MATERIALS; PRINTING-PRESS OPERATION, SERVICING, AND ELEMENTARY MAINTENANCE; COST ESTIMATION AND THE PRODUCTION, INSPECTION, QUALITY CONTROL, HANDLING, BINDING, PACKAGING, AND STORAGE OF PRINTING MATERIALS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
141.061-018	GRAPHIC DESIGNER	5	3	4	7	S456	I	48.0203	3220	25426	10221601	183
979.382-018	GRAPHIC ARTS TECHNICIAN	4	2	2	5	L46	I	48.0205	7449	39000	10141404	737

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Trade and
Industrial
Education

PROGRAM AREA: TRADE AND INDUSTRIAL EDUCATION.

TRADE AND INDUSTRIAL EDUCATION IS THE BRANCH OF VOCATIONAL EDUCATION WHICH IS CONCERNED WITH PREPARING PERSONS FOR INITIAL EMPLOYMENT OR FOR UPGRADING OR RETRAINING WORKERS IN A WIDE RANGE OF TRADE AND INDUSTRIAL OCCUPATIONS. SUCH OCCUPATIONS ARE SKILLED OR SEMISKILLED AND ARE CONCERNED WITH LAYOUT, DESIGNING, PRODUCING, PROCESSING, ASSEMBLING, TESTING, MAINTAINING, SERVICING, OR REPAIRING ANY PRODUCT OR COMMODITY. INSTRUCTION IS PROVIDED (1) IN BASIC MANIPULATIVE SKILLS, SAFETY JUDGMENT, AND RELATED OCCUPATIONAL INFORMATION IN MATHEMATICS, DRAFTING, AND SCIENCE REQUIRED TO PERFORM SUCCESSFULLY IN THE OCCUPATION, AND (2) THROUGH A COMBINATION OF CLASSROOM LEARNING AND SHOP OR LABORATORY EXPERIENCES SIMULATING THOSE FOUND IN INDUSTRY OR COOPERATIVE TRAINING IN INDUSTRY. INCLUDED IS INSTRUCTION FOR APPRENTICES IN APPRENTICEABLE OCCUPATIONS OR FOR JOURNEYMEN ALREADY ENGAGED IN A TRADE OR INDUSTRIAL OCCUPATION. ALSO INCLUDED IS TRAINING FOR SERVICE AND CERTAIN SEMIPROFESSIONAL OCCUPATIONS CONSIDERED TO BE TRADE AND INDUSTRIAL IN NATURE. OPPORTUNITIES ARE FREQUENTLY PROVIDED BOTH DURING AND OUTSIDE REGULAR CLASS TIME FOR STUDENTS TO DEVELOP INTERESTS, SKILLS AND KNOWLEDGE IN SELECTED ASPECTS OF TRADE AND INDUSTRIAL OCCUPATIONS AS AN INTEGRAL PART OF THE INSTRUCTIONAL PROGRAM. AS AN EXAMPLE, THE VOCATIONAL INDUSTRIAL CLUBS OF AMERICA PROVIDE OPPORTUNITIES TO DEVELOP LEADERSHIP, CIVIL RESPONSIBILITIES, AND OTHER QUALITIES, AND AN UNDERSTANDING OF THE WORLD OF WORK IN TRADE AND INDUSTRIAL OCCUPATIONS.

PROGRAM: 06.2000 TRADE AND INDUSTRIAL SUPERVISION AND MANAGEMENT.

A GROUP OF INSTRUCTIONAL PROGRAMS (SEE 06.2001)

PROGRAM: 06.2001 TRADE AND INDUSTRIAL SUPERVISION AND MANAGEMENT.

AN INSTRUCTIONAL PROGRAM THAT DESCRIBES SUPERVISING AND MANAGING PERSONNEL ENGAGED IN CONSTRUCTION, MECHANICAL REPAIR, MANUFACTURING, TRANSPORTATION, OR MATERIAL MOVING.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
183.167-030	SERVICE SUPERVISOR, LEASED MACHINERY AND	4	4	4	7	L5	I		1359	19000	20061699	019
184.167-126	SERVICE SUPERVISOR 3	4	4	4	8	L56	B6		1343	19000	20061699	019
187.167-010	APPLIANCE-SERVICE SUPERVISOR	4	4	4	7	L56	I		6000	19000	20061699	503
189.167-046	SUPERINTENDENT, MAINTENANCE	5	4	4	8	L5	I	15.0603 15.0604	1320	19000	20061699	019
365.131-010	SHOE-REPAIR SUPERVISOR	3	1	1	7	L45	I5		6700	55B29	50040003	633
382.137-010	SUPERVISOR, MAINTENANCE	4	3	3	6	M345	B	20.0604	5241	55B29	50040003	448
502.130-010	SUPERVISOR, CASTING-AND-PASTING	4	3	3	7	L456	I		7100	55B29	50040003	633
504.131-010	HEAT-TREAT SUPERVISOR	4	3	3	7	L45	I36		7100	55B29	50040003	633
505.130-010	SUPERVISOR, METALIZING	4	4	4	8	L3456	I67		7100	55B29	50040003	633
505.130-014	SUPERVISOR, VACUUM METALIZING	4	3	3	7	M56	I		7100	55B29	50040003	633
509.130-010	SUPERVISOR, POWDERED METAL	4	3	3	7	L45	I		7100	55B29	50040003	633
509.132-010	SUPERVISOR, SOAKING PITS	4	3	3	8	M45	B357		7100	55B29	50040003	633
511.130-010	ALUMINA-PLANT SUPERVISOR	4	3	3	8	M345	B		7100	55B29	50040003	633
511.135-010	FILTER-PLANT SUPERVISOR	4	3	3	6	L456	B456		7100	55B29	50040003	633
512.132-010	MELTER SUPERVISOR	4	3	3	7	L456	I		7100	55B29	50040003	633
512.132-014	RECLAMATION SUPERVISOR	4	2	3	7	L45	I3567		7100	55B29	50040003	633

***** PROGRAM: 06.2001 TRADE AND INDUSTRIAL SUPERVISION AND MANAGEMENT. CONTINUED *****

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION		GED			S			OTHER	1980	O E S		1980
CODE	TITLE	R	M	L	V P	PHYSICAL DEMANDS	WORKING CONDITIONS	C I P PROGRAM	SOC CODE	SURVEY CODE	MATRIX CODE	CENSUS CODE
512.132-018	REMELT-FURNACE EXPEDITER	4	2	3	7	M45	I36		7100	55B29	50040003	633
512.132-022	SUPERVISOR, BLAST FURNACE	4	3	3	7	L456	I356		7100	55B29	50040003	633
512.135-010	POT-ROOM SUPERVISOR	4	3	3	7	L456	I367		7100	55B29	50040003	633
514.130-010	PERMANENT-MOLD SUPERVISOR	4	3	3	7	M456	I		7100	55B29	50040003	633
514.130-014	SUPERVISOR, DIE CASTING	4	3	3	7	L456	I356		7100	55B29	50040003	633
514.131-010	INSPECTOR, CHIEF	4	3	3	7	M456	I7		6700	55B29	50040003	633
514.134-010	TAPPER SUPERVISOR	4	3	3	7	L456	I36		7100	55B29	50040003	633
514.137-010	SUPERVISOR, PIG-MACHINE	4	2	3	6	M456	B35		7100	55B29	50040003	633
514.137-014	SUPERVISOR, PIT-AND-AUXILIARIES	3	2	3	6	L456	B3567		7100	55B29	50040003	633
519.130-010	CELL-FEED-DEPARTMENT SUPERVISOR	4	3	3	7	L345	I		7100	55B29	50040003	633
519.130-014	SAMPLER, HEAD	4	3	3	7	L456	I		7100	55B29	50040003	633
519.130-018	SUPERVISOR, LEAD REFINERY	4	3	3	8	L456	I6		7100	55B29	50040003	633
519.130-022	SUPERVISOR, REVERBERATORY FURNACE	4	3	3	8	L456	I356		7100	55B29	50040003	633
519.130-026	SUPERVISOR, SINTERING PLANT	4	3	3	8	L456	I35		7100	55B29	50040003	633
519.130-030	SUPERVISOR, URANIUM PROCESSING	4	3	3	8	L345	B5		7100	55B29	50040003	633
519.131-010	FOUNDRY SUPERVISOR	4	3	3	7	M456	I356		7100	55B29	50040003	633
519.131-014	MILL-LABOR SUPERVISOR	4	3	3	7	L456	I5		7100	55B29	50040003	633
519.132-010	SUPERVISOR, BLAST FURNACE	4	3	3	6	L456	I35		7100	55B29	50040003	633
519.132-014	SUPERVISOR, BLAST-FURNACE-AUXILIARIES	4	3	3	6	L456	I5		7100	55B29	50040003	633
519.132-018	SUPERVISOR, CELL OPERATION	4	3	3	7	L45	I		7100	55B29	50040003	633
519.132-022	SUPERVISOR, SOLDER MAKING	4	3	3	6	L45	I36		7100	55B29	50040003	633
519.134-010	POT-LINING SUPERVISOR	4	3	3	7	L3456	I56		7100	55B29	50040003	633
519.137-010	SUPERVISOR, MOLD YARD	4	3	3	7	L45	B5		7100	55B29	50040003	633
519.137-014	SUPERVISOR, SCRAP PREPARATION	4	3	3	6	M456	B5		7100	55B29	50040003	633
525.131-010	SUPERVISOR, ABATTOIR	4	2	2	7	L456	I45		7100	55B29	50040003	633
525.131-014	SUPERVISOR, CUTTING AND BONING	4	2	2	7	L56	I2		7100	55B29	50040003	633
525.132-010	SUPERVISOR, CURED MEATS	4	2	2	6	L56	I4		7100	55B29	50040003	633
525.132-014	SUPERVISOR, TANK HOUSE	4	2	2	7	L456	I25		7100	55B29	50040003	633
525.134-014	SUPERVISOR, POULTRY PROCESSING	4	2	2	7	L456	I457		7100	55B29	50040003	633
529.135-014	SUPERVISOR, CURED-MEAT PACKING	4	2	2	7	L56	I2		7100	55B29	50040003	633
529.137-062	SUPERVISOR, SPECIALTY FOOD PRODUCTS	4	3	4	8	L5	I34		7100	55B29	50040003	633
542.130-010	SUPERVISOR, NATURAL-GAS PLANT	4	3	4	8	L5	I5		6700	55B29	50040003	633
549.130-010	SUPERVISOR, TOWER	4	3	4	7	L2456	I567		6700	55B29	50040003	633
549.131-010	SUPERVISOR, NATURAL-GAS-FIELD PROCESSING	4	3	3	7	L5	B56	15.0903	7100	55B29	50040003	633
549.132-010	GREASE MAKER, HEAD	4	4	4	8	L45	I		7100	55B29	50040003	633
549.132-030	SUPERVISOR, PURIFICATION	4	4	4	7	L2456	B67		7100	55B29	50040003	633
549.132-034	SUPERVISOR, TREATING AND PUMPING	4	3	4	8	L245	B67		7100	55B29	50040003	633
549.137-018	SUPERVISOR, SPECIALTY PLANT	4	4	4	7	L45	B67		7100	55B29	50040003	633
559.132-078	SUPERVISOR, DEHYDROGENATION	4	3	3	8	L2456	B7		7100	55B29	50040003	633
570.130-010	SUPERVISOR, CLAY PREPARATION	4	3	3	8	L45	I		7100	55B29	50040003	633
570.132-014	MILLING SUPERVISOR	4	3	2	7	L456	B57		7100	55B29	50040003	633
573.132-010	BURNING SUPERVISOR	4	3	2	7	L456	B3		7100	55B29	50040003	633
574.130-010	GLAZE SUPERVISOR	4	2	2	7	M56	I345		7100	55B29	50040003	633
574.132-010	GLAZE SUPERVISOR	4	3	2	7	L456	I		7100	55B29	50040003	633
574.132-014	SUPERVISOR, SILVERING DEPARTMENT	4	2	2	7	L456	I		7100	55B29	50040003	633
574.134-010	SUPERVISOR, HAND SILVERING	4	3	4	7	M456	I		7100	55B29	50040003	633
575.130-010	PRESS SUPERVISOR	4	3	2	7	M45	I5		7100	55B29	50040003	633

*** PROGRAM: 06.2001 TRADE AND INDUSTRIAL SUPERVISION AND MANAGEMENT. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
575.130-014	SUPERVISOR 1	3	2	2	5	M456	I		7100	55B29	50040003	633
575.130-018	SUPERVISOR, FORMING DEPARTMENT 1	4	3	3	7	M45	I35		7100	55B29	50040003	633
575.131-010	SUPERVISOR, CONCRETE-STONE FABRICATING	4	3	2	7	L456	B5		7100	55B29	50040003	633
575.131-014	SUPERVISOR, PRECAST AND PRESTRESSED CONC	4	3	3	7	M456	B		7100	55B29	50040003	633
575.137-010	DRAWING-KILN SUPERVISOR	4	3	3	5	L5	I35		7100	55B29	50040003	633
575.137-014	SUPERVISOR, WET POUR	4	2	2	7	M456	B		7100	55B29	50040003	633
579.130-014	SUPERVISOR, CONCRETE BLOCK PLANT	4	3	3	7	L45	I5		7100	55B29	50040003	633
579.130-018	SUPERVISOR, CONCRETE PIPE PLANT	4	3	3	7	L5	I5		7100	55B29	50040003	633
579.130-022	SUPERVISOR, FORMING DEPARTMENT 2	4	3	3	6	L456	I5		7100	55B29	50040003	633
579.134-010	SUPERVISOR, INSPECTION	4	3	3	6	L456	I5		7100	55B29	50040003	633
579.137-010	SUPERVISOR	4	2	2	7	L25	I57		7100	55B29	50040003	633
579.137-026	SUPERVISOR, RECEIVING AND PROCESSING	4	3	3	7	L5	B35		7100	55B29	50040003	633
590.130-010	SUPERVISOR, ELECTRONICS PROCESSING	4	3	3	7	L456	I		7100	55B29	50040003	633
599.132-010	SUPERVISOR, TUMBLERS	4	3	3	7	L46	I67		7100	55B29	50040003	633
603.130-010	SUPERVISOR, GRINDING	4	3	3	7	M456	I5		7100	55B29	50040003	633
603.137-010	FILING-AND-POLISHING SUPERVISOR	4	4	4	7	M45	I5		7100	55B29	50040003	633
604.130-010	SUPERVISOR, ROLL SHOP	4	3	3	7	L56	I5		7100	55B29	50040003	633
609.130-010	MACHINE-SHOP SUPERVISOR, PRODUCTION	4	4	3	8	L456	I5		7100	55B29	50040003	633
609.130-014	SCREW SUPERVISOR	4	3	3	7	L45	I		7100	55B29	50040003	633
609.130-018	SUPERVISOR	4	4	4	7	L456	I5		7100	55B29	50040003	633
609.130-022	SUPERVISOR, AUTOMATIC MACHINES	4	3	3	7	L45	I		7100	55B29	50040003	633
609.130-026	WATCH MANUFACTURING SUPERVISOR	4	3	3	7	L456	I		7100	55B29	50040003	633
609.131-010	INSPECTION SUPERVISOR	4	4	4	8	L456	I5	15.0702	7100	55B29	50040003	633
609.131-014	SUPERVISOR, MOLD MAKING	4	4	4	8	L456	I		7100	55B29	50040003	633
609.131-018	SUPERVISOR, MOLD SHOP	4	4	4	8	L45	I		7100	55B29	50040003	633
609.132-010	SLAB-CONDITIONER SUPERVISOR	3	3	2	6	L45	I3567		7100	55B29	50040003	633
615.130-010	PRESS-HAND SUPERVISOR	4	3	3	7	L456	I		7100	55B29	50040003	633
616.130-010	SUPERVISOR	4	3	3	7	L5	I5		7100	55B29	50040003	633
616.130-014	SUPERVISOR, SPECIALTY MANUFACTURING	4	3	3	7	M5	B57		7100	55B29	50040003	633
616.130-018	SUPERVISOR, SPRING PRODUCTION	4	3	3	8	L56	I5		7100	55B29	50040003	633
616.130-022	SUPERVISOR, STEEL DIVISION	4	3	3	7	L456	I5		7100	55B29	50040003	633
619.130-030	SUPERVISOR, LINE	4	2	3	8	L456	I567		7100	55B29	50040003	633
619.130-034	SUPERVISOR, MACHINE SETTER	4	3	4	8	L456	I56		7100	55B29	50040003	633
619.130-038	SUPERVISOR, PIPE FINISHING	4	3	3	7	M56	I567		7100	55B29	50040003	633
619.130-042	SUPERVISOR, PUNCH-AND-ASSEMBLY DEPARTMEN	4	3	4	7	L456	I5		7100	55B29	50040003	633
619.131-010	MACHINING-AND-ASSEMBLY SUPERVISOR	4	2	3	5	L456	I5		7100	55B29	50040003	633
619.131-014	SHOP SUPERVISOR	4	3	3	7	M346	O		7100	55B29	50040003	633
619.132-014	SHEET-MILL SUPERVISOR	3	2	2	7	L456	I356		7100	55B29	50040003	633
619.132-022	STRUCTURAL-MILL SUPERVISOR	4	2	3	6	L45	I		7100	55B29	50040003	633
619.132-026	SUPERVISOR, FINISHING-AND-SHIPPING	4	3	3	6	M56	I3567		7100	55B29	50040003	633
620.131-010	SUPERVISOR, ENDLESS TRACK VEHICLE	4	4	4	7	L3456	I		7100	55B29	50040003	633
620.131-014	SUPERVISOR, GARAGE	4	3	4	7	L456	B5		7100	55B29	50040003	633
620.131-018	SUPERVISOR, MOTORCYCLE REPAIR SHOP	4	3	4	8	L456	I		7100	55B29	50040003	633
621.131-010	SUPERCHARGER-REPAIR SUPERVISOR	4	4	4	7	L456	I5		7100	55B29	50040003	633
621.131-014	SUPERVISOR, AIRCRAFT MAINTENANCE	4	4	4	8	L23456	I5		7100	55B29	50040003	633
621.131-018	SUPERVISOR, PRODUCTION DEPARTMENT	4	4	4	8	M23456	I56		7100	55B29	50040003	633
621.137-010	SUPERVISOR, RECLAMATION	4	3	3	6	L456	B		7100	55B29	50040003	633
623.131-014	SUPERVISOR, GEAR REPAIR	4	3	3	7	L456	B5	49.0306	6000	55B29	50040003	503
625.131-010	ENGINE-TESTING SUPERVISOR	4	4	4	8	L456	I5	15.0804	6000	55B29	50040003	503

*** PROGRAM: 06.2001 TRADE AND INDUSTRIAL SUPERVISION AND MANAGEMENT. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
625.131-014	SUPERVISOR, ENGINE-REPAIR	4	4	4	8	L45	I5		6000	55B29	50040003	503
629.131-014	OIL-FIELD EQUIPMENT MECHANIC SUPERVISOR	4	3	3	8	L46	I5		7100	55B29	50040003	633
630.131-010	PUMP-SERVICER SUPERVISOR	4	3	3	7	L456	B5		6000	55B29	50040003	503
630.134-010	ANODE-CREW SUPERVISOR	4	3	3	7	L456	I56		7100	55B29	50040003	633
631.131-010	POWERHOUSE-MECHANIC SUPERVISOR	4	4	4	8	L3456	I56		6000	55B29	50040003	503
633.131-010	OFFICE-MACHINE-SERVICE SUPERVISOR	4	3	3	7	L456	I		6000	55B29	50040003	503
637.131-010	SUPERVISOR, COOLER SERVICE	4	3	3	7	L46	I		6000	55B29	50040003	503
638.131-010	FUEL-SYSTEM-MAINTENANCE SUPERVISOR	4	4	4	7	L3456	B57	15.0608 15.0701	6000	55B29	50040003	503
638.131-014	MACHINE-ASSEMBLER SUPERVISOR	4	4	4	8	L456	I5		7100	55B29	50040003	633
638.131-022	MAINTENANCE-MECHANIC SUPERVISOR	4	4	4	8	M456	I5		6000	55B29	50040003	503
638.131-026	MECHANICAL-MAINTENANCE SUPERVISOR	4	3	4	8	L3456	B5		6000	55B29	50040003	503
638.131-030	MILLWRIGHT SUPERVISOR	4	4	4	8	L23456	B56		7100	55B29	50040003	633
650.132-010	SUPERVISOR, TYPESETTING	4	3	3	8	L456	I		7100	55B29	50040003	633
651.130-010	SUPERVISOR, PRESS ROOM	4	3	4	8	L456	I5		7100	55B29	50040003	633
652.130-010	SUPERVISOR, DECORATING	4	3	3	6	L456	I		7100	55B29	50040003	633
652.130-014	SUPERVISOR, PRINTING AND STAMPING	4	2	3	8	M45	I	48.0208	7100	55B29	50040003	633
652.130-018	SUPERVISOR, ROLLER PRINTING	4	2	3	7	L456	I35		7100	55B29	50040003	633
652.137-014	SUPERVISOR, SCREEN PRINTING	4	2	3	8	L456	I5		7100	55B29	50040003	633
653.131-010	SUPERVISOR, BINDERY	4	2	3	8	L456	I		7100	55B29	50040003	633
660.130-010	CABINETMAKER, SUPERVISOR	4	4	4	8	M345	I567		6700	55B29	50040003	633
662.132-010	SUPERVISOR, SANDING	4	4	3	7	M456	I5		7100	55B29	50040003	633
669.130-010	SUPERVISOR, ASSEMBLY ROOM	4	3	3	7	L456	I5		7100	55B29	50040003	633
669.130-014	SUPERVISOR, CUTTING DEPARTMENT	4	2	3	7	L456	I5		7100	55B29	50040003	633
669.130-018	SUPERVISOR, FRAMING MILL	4	2	2	8	L235	B6		7100	55B29	50040003	633
669.130-022	SUPERVISOR, MACHINING	4	3	3	7	L456	I57		7100	55B29	50040003	633
669.130-026	SUPERVISOR, SAWMILL	4	3	3	7	M56	B56		7100	55B29	50040003	633
669.130-030	SUPERVISOR, SHUTTLE FITTING	4	2	2	7	L456	I		7100	55B29	50040003	633
669.130-034	SUPERVISOR, SHUTTLE PREPARATION	4	2	2	7	L456	I		7100	55B29	50040003	633
669.130-038	SUPERVISOR, SHUTTLE VENEERING	4	3	3	7	L456	I		7100	55B29	50040003	633
673.130-010	SUPERVISOR, EDGING	3	2	2	6	M45	I5		7100	55B29	50040003	633
677.131-010	GLASS-CUT-OFF SUPERVISOR	4	3	3	7	L5	I6		7100	55B29	50040003	633
679.130-010	SUPERVISOR	4	3	4	7	M3456	I567		7100	55B29	50040003	633
679.137-014	SUPERVISOR, MIRROR FABRICATION	4	2	2	7	M45	I5		7100	55B29	50040003	633
689.130-018	KNITTING-MACHINE FIXER, HEAD	4	3	4	7	L3456	I5		7100	55B29	50040003	633
693.130-010	SUPERVISOR, MODEL MAKING	4	3	4	7	L456	I5		7100	55B29	50040003	633
693.131-010	PATTERN-SHOP SUPERVISOR	4	3	3	8	L456	I5		6700	55B29	50040003	633
693.132-010	PATTERN-GRADER SUPERVISOR	4	3	3	7	L456	I		7100	55B29	50040003	633
699.131-010	SUPERVISOR, LUBRICATION	4	3	3	7	L235	B5		7100	55B29	50040003	633
700.131-010	SUPERVISOR	4	3	3	7	L45	I		7100	55B29	50040003	633
700.131-018	SUPERVISOR, JEWELRY DEPARTMENT	4	4	3	7	L456	I		6700	55B29	50040003	633
703.132-010	SUPERVISOR, METAL CANS	4	3	3	7	L45	I5		7100	55B29	50040003	633
704.131-010	ENGRAVING SUPERVISOR	4	3	3	8	L456	I		6700	55B29	50040003	633
706.130-010	SUPERVISOR, COIN-MACHINE	4	3	3	7	L456	I		7100	55B29	50040003	633
706.131-010	LABORATORY SUPERVISOR	4	3	3	8	M456	I		6700	55B29	50040003	633
709.134-010	SUPERVISOR, METAL FURNITURE ASSEMBLY	4	3	3	7	L456	I		6700	55B29	50040003	633
710.131-010	SUPERVISOR, GAS METER REPAIR	4	3	3	8	L456	I		6000	55B29	50040003	503

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710.131-014	SUPERVISOR, INSTRUMENT MAINTENANCE	4	4	4	8	L456	I67	15.0403 15.0404	6700	55B29	50040003	633
710.131-018	SUPERVISOR, INSTRUMENT MECHANICS	4	4	4	8	L2456	I356	15.0403 15.0404	6000	55B29	50040003	503
710.131-022	SUPERVISOR, INSTRUMENT REPAIR	4	3	3	7	L23456	B5	15.0403 15.0404	6000	55B29	50040003	503
710.131-026	SUPERVISOR, METER REPAIR SHOP	4	3	4	8	L456	I	15.0403	6000	55B29	50040003	503
710.131-030	SUPERVISOR, METER SHOP	4	3	3	7	M456	I4		6000	55B29	50040003	503
710.131-034	SUPERVISOR, SHOP	4	3	3	8	L456	I	15.0404	7100	55B29	50040003	633
710.131-042	SUPERVISOR, THERMOSTATIC CONTROLS	4	3	3	7	L456	I		7100	55B29	50040003	633
710.137-010	SUPERVISOR, ASSEMBLY	4	3	3	7	L56	I	15.0404	6700	55B29	50040003	633
710.137-014	SUPERVISOR, METER-AND-REGULATOR SHOP	4	3	4	8	L456	B	15.0403	6000	55B29	50040003	503
711.137-010	SUPERVISOR, OPTICAL INSTRUMENT ASSEMBLY	4	3	3	7	L56	I		7100	55B29	50040003	633
714.131-010	SUPERVISOR, MOTION-PICTURE EQUIPMENT	4	4	4	8	L456	I	10.0102 10.0104	7100	55B29	50040003	633
715.131-010	SUPERVISOR	4	3	3	7	L45	I		7100	55B29	50040003	633
715.131-014	SUPERVISOR, DIALS	4	3	3	7	L456	I		7100	55B29	50040003	633
715.131-022	SUPERVISOR, INSPECTION	4	3	3	7	L456	I		7100	55B29	50040003	633
715.131-026	SUPERVISOR, MAINSPRING FABRICATION	4	3	3	7	L456	I		7100	55B29	50040003	633
715.131-030	SUPERVISOR, TUMBLING AND ROLLING	4	3	3	7	L45	I		7100	55B29	50040003	633
721.131-010	ELECTRIC MOTOR REPAIRING SUPERVISOR	4	3	3	7	L456	I		6000	55B29	50040003	503
721.131-014	SUPERVISOR, INSPECTION AND TESTING	4	3	3	7	L456	I5		7100	55B29	50040003	633
722.131-010	INSTRUMENT-SHOP SUPERVISOR	4	2	3	7	L456	I		7100	55B29	50040003	633
723.131-010	SUPERVISOR, SMALL APPLIANCE ASSEMBLY	4	3	3	7	L456	I		7100	55B29	50040003	633
724.130-010	SUPERVISOR, ELECTRONIC COILS	4	3	3	8	L56	I		7100	55B29	50040003	633
724.131-010	SUPERVISOR, COIL WINDING	4	3	3	7	L456	I		7100	55B29	50040003	633
724.131-014	TRANSFORMER SHOP SUPERVISOR	4	3	3	7	L456	I		7100	55B29	50040003	633
726.130-010	SUPERVISOR, ELECTRONICS	4	3	3	7	L456	I	15.0303	7100	55B29	50040003	633
726.131-010	ELECTRONIC-COMPUTER-SUBASSEMBLY SUPERVIS	4	3	3	7	L456	I		7100	55B29	50040003	633
729.130-010	SUPERVISOR, ELECTRICAL ASSEMBLY	4	3	3	6	L456	I		6700	55B29	50040003	633
729.131-014	RELAY-SHOP SUPERVISOR	4	3	3	7	L456	I		7100	55B29	50040003	633
730.131-010	SUPERVISOR	4	3	3	7	L5	I		7100	55B29	50040003	633
732.130-010	SUPERVISOR	4	3	3	7	L456	I5		7100	55B29	50040003	633
736.131-014	FIREARMS-ASSEMBLY SUPERVISOR	4	3	3	7	L5	I		7100	55B29	50040003	633
736.131-018	INSPECTION SUPERVISOR	4	3	3	7	L456	I		7100	55B29	50040003	633
742.134-010	SUPERVISOR, FINISHING	4	3	3	7	M456	I		7100	55B29	50040003	633
763.134-010	SUPERVISOR, QUALITY CONTROL	4	4	3	6	M456	I		7100	55B29	50040003	633
769.134-010	SUPERVISOR, DIMENSION WAREHOUSE	4	3	3	7	M456	I		7100	55B29	50040003	633
769.137-014	SUPERVISOR, ASSEMBLY	4	3	3	7	L456	I5		7100	55B29	50040003	633
770.131-014	SUPERVISOR, DIAMOND FINISHING	4	3	3	8	L456	I		6700	55B29	50040003	633
777.131-010	SUPERVISOR, MOLD SHOP	4	3	3	8	M456	I		7100	55B29	50040003	633
780.131-014	SUPERVISOR, UPHOLSTERY DEPARTMENT	4	3	3	7	L456	I	20.0503	7100	55B29	50040003	633
780.134-010	SUPERVISOR, COVERING AND LINING	4	2	2	8	M456	I5		7100	55B29	50040003	633
780.134-014	SUPERVISOR, SPRING-UP	4	3	3	7	M3456	I	20.0503	7100	55B29	50040003	633
780.137-010	SUPERVISOR, MATTRESS AND BOXSPRINGS	4	2	2	7	L456	I		7100	55B29	50040003	633
788.137-010	SUPERVISOR, PACKING	4	3	3	7	L456	I5		7100	55B29	50040003	633
801.131-010	SUPERVISOR, CHIMNEY CONSTRUCTION	4	3	2	8	L23456	O6		6312	55B29	50040003	553
801.131-014	SUPERVISOR, FITTING	4	4	3	8	L2456	I567		7100	55B29	50040003	633
801.134-010	SUPERVISOR, REINFORCED-STEEL-PLACING	4	3	3	8	L23456	B56		7100	55B29	50040003	633

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805.137-010	SUPERVISOR, BOILER REPAIR	4	3	3	8	M356	I35		6000	55B29	50040003	503
806.131-014	SUPERVISOR, ASSEMBLY	4	3	3	8	L456	I		7100	55B29	50040003	633
806.131-026	SUPERVISOR, INSPECTION AND TESTING	4	3	3	8	L456	I		7100	55B29	50040003	633
807.137-010	SUPERVISOR, AUTOMOBILE BODY REPAIR	4	3	3	7	L46	I5		7100	55B29	50040003	633
809.130-010	SUPERVISOR, ASSEMBLY DEPARTMENT	4	3	3	7	L3456	I5		7100	55B29	50040003	633
809.130-014	SUPERVISOR, METAL FABRICATING	4	3	3	8	M456	I567		7100	55B29	50040003	633
809.131-010	SUPERVISOR, FABRICATION AND ASSEMBLY	4	3	3	7	L456	I5		7100	55B29	50040003	633
809.134-014	SUPERVISOR, METAL HANGING	4	3	3	7	H456	I5		7100	55B29	50040003	633
819.131-010	LEAD-BURNER SUPERVISOR	4	3	3	7	M23456	B67	15.0610	7100	55B29	50040003	633
819.131-014	WELDING SUPERVISOR	4	4	3	8	L456	B567	15.0610	7100	55B29	50040003	633
820.131-010	ELECTRICIAN SUPERVISOR, SUBSTATION	4	4	4	8	L256	O6		7100	55B29	50040003	633
820.137-010	TRANSFORMER ASSEMBLY SUPERVISOR	4	4	4	7	L456	I5		7100	55B29	50040003	633
821.131-010	ELECTRICAL-INSTALLATION SUPERVISOR	4	4	4	8	L56	B		6000	55B29	50040003	503
821.131-014	LINE SUPERVISOR	4	4	4	8	L5	O		6000	55B29	50040003	503
821.131-018	SERVICE SUPERVISOR 2	4	4	4	8	L256	B6		6000	55B29	50040003	503
821.131-022	STEEL-POST-INSTALLER SUPERVISOR	4	4	4	7	L5	O		7100	55B29	50040003	633
821.131-026	WIREWORKER SUPERVISOR	4	4	4	8	L5	B		6000	55B29	50040003	503
822.131-010	CENTRAL-OFFICE-REPAIRER SUPERVISOR	4	4	4	7	L23456	I		7100	55B29	50040003	633
822.131-014	CUSTOMER-FACILITIES SUPERVISOR	4	4	4	7	L456	I		6000	55B29	50040003	503
822.131-018	LINE SUPERVISOR	4	4	4	7	L456	B		6000	55B29	50040003	503
822.131-026	SIGNAL SUPERVISOR	4	4	3	7	L456	O		7100	55B29	50040003	633
822.131-030	TEST-DESK SUPERVISOR	4	3	3	7	S45	I		7100	55B29	50040003	633
823.131-010	COMMUNICATIONS ELECTRICIAN SUPERVISOR	4	4	4	8	M456	I	15.0303	6000	55B29	50040003	503
823.131-014	RIGGER SUPERVISOR	4	3	3	7	L23456	O		7100	55B29	50040003	633
823.131-022	SUPERVISOR, RADIO INTERFERENCE	4	4	4	8	L456	I6	10.0104 15.0303	6000	55B29	50040003	503
824.137-010	ELECTRICIAN, CHIEF	4	3	3	7	L56	B		7100	55B29	50040003	633
824.137-014	STREET-LIGHT-SERVICER SUPERVISOR	4	3	3	7	L5	B		7100	55B29	50040003	633
825.131-010	ELECTRICIAN SUPERVISOR	4	3	3	8	M456	B6		6314	55B29	50040003	555
825.137-010	SUPERVISOR, LINE DEPARTMENT	4	3	3	7	L5	B		7100	55B29	50040003	633
826.131-010	ELECTRICAL SUPERVISOR	4	4	4	7	L56	O6		7100	55B29	50040003	633
826.131-014	SUPERVISOR, ELECTRICAL ASSEMBLIES	4	4	4	7	L456	I56		7100	55B29	50040003	633
827.131-010	ELECTRICAL-APPLIANCE-SERVICER SUPERVISOR	4	4	4	7	L456	I		6000	55B29	50040003	503
827.131-014	SUPERVISOR, MAJOR APPLIANCE ASSEMBLY	4	4	4	7	L45	I		7100	55B29	50040003	633
829.131-010	CABLE SUPERVISOR	4	3	3	8	L23456	B467		7100	55B29	50040003	633
829.131-014	ELECTRICIAN SUPERVISOR	4	4	3	8	L5	I56		6314	55B29	50040003	555
829.131-022	SUPERVISOR, ELECTRICAL REPAIR AND TELEPH	4	3	3	8	L5	B6		6000	55B29	50040003	503
840.131-010	SUPERVISOR, PAINTING	4	3	3	8	M23456	B6		6315	55B29	50040003	556
840.131-014	SUPERVISOR, PAINTING, SHIPYARD	4	3	3	8	L2346	B7		6315	55B29	50040003	556
842.131-010	SUPERVISOR, DRY-WALL APPLICATION	4	3	3	7	V23456	I6		6313	55B29	50040003	554
842.131-014	SUPERVISOR, LATHING	4	3	3	8	M23456	B56		6313	55B29	50040003	554
842.131-018	SUPERVISOR, PLASTERING	4	3	3	7	L23456	B		6315	55B29	50040003	556
842.134-010	SUPERVISOR, TAPING	4	3	3	6	M23456	I67		6313	55B29	50040003	554
843.137-010	SUPERVISOR, WATERPROOFING	4	3	3	7	L2345	B6		7100	55B29	50040003	633
853.137-010	SUPERVISOR, MIXING PLACE	4	3	2	7	L456	O		7100	55B29	50040003	633
860.131-010	SUPERVISOR, ACOUSTICAL TILE CARPENTERS	4	4	3	8	H2456	I		6313	55B29	50040003	554
860.131-014	SUPERVISOR, BOATBUILDERS, WOOD	4	4	3	8	L23456	B5		6313	55B29	50040003	554

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860.131-018	SUPERVISOR, CARPENTERS	4	4	3	8	M23456	B56		6313	55B29	50040003	554
860.131-022	SUPERVISOR, JOINERS	4	4	3	8	L3456	I5		6313	55B29	50040003	554
860.131-026	SUPERVISOR, MOLD CONSTRUCTION	4	3	3	7	M2346	B		6313	55B29	50040003	554
860.137-010	CARPENTER-LABOR SUPERVISOR	4	3	3	7	L345	O		7100	55B29	50040003	633
861.131-014	CHIMNEY SUPERVISOR, BRICK	4	3	3	8	M23456	O6		6312	55B29	50040003	553
861.131-018	STONEMASON SUPERVISOR	4	3	3	8	L2346	O6		6312	55B29	50040003	553
861.131-022	SUPERVISOR, MARBLE	4	3	3	8	H23456	B57		6312	55B29	50040003	553
861.131-026	SUPERVISOR, TERRAZZO	4	3	3	8	M3456	B		6312	55B29	50040003	553
862.131-010	PIPE-FITTER SUPERVISOR	4	3	3	8	M23456	B56		6316	55B29	50040003	557
862.131-018	PLUMBER SUPERVISOR	4	3	3	8	M23456	B456		6316	55B29	50040003	557
862.131-022	SUPERVISOR, PIPE-LINES	4	3	3	7	L356	O		6316	55B29	50040003	557
862.132-010	WELL-POINT PUMPING SUPERVISOR	4	3	3	7	L456	O5		7100	55B29	50040003	633
862.134-010	SUCTION-DREDGE-PIPE-LINE-PLACING SUPERVI	4	3	3	7	H3456	O4		7100	55B29	50040003	633
862.134-014	SUPERVISOR, WATER SOFTENER SERVICE	4	3	4	8	L456	I		6316	55B29	50040003	557
862.137-010	MAINS-AND-SERVICE SUPERVISOR	4	3	3	7	L3456	O67		7100	55B29	50040003	633
862.137-014	STEAM-DISTRIBUTION SUPERVISOR	4	3	3	7	L2345	B456		7100	55B29	50040003	633
862.137-018	WATER-AND-SEWER-SYSTEMS SUPERVISOR	4	3	3	7	M56	O		6700	55B29	50040003	633
863.134-010	BUILDING-INSULATION SUPERVISOR	4	3	3	7	L2456	B7		7100	55B29	50040003	633
863.134-014	SUPERVISOR, INSULATION	4	3	3	8	M3456	B67		6318	55B29	50040003	558
865.131-010	GLAZIER SUPERVISOR	4	3	3	7	L3456	B56		6318	55B29	50040003	558
866.131-010	ROOFING SUPERVISOR	4	2	3	7	M23456	O67		6318	55B29	50040003	558
869.131-014	CONCRETING SUPERVISOR	4	3	3	7	L3456	O56		6318	55B29	50040003	558
869.131-018	FIELD-ASSEMBLY SUPERVISOR	4	3	3	7	M3456	O		6318	55B29	50040003	558
869.131-026	STEEL-PAN-FORM-PLACING SUPERVISOR	4	3	3	7	M23456	O56		7100	55B29	50040003	633
869.131-030	SUPERVISOR, MANUFACTURED BUILDINGS	4	3	3	7	M456	I5		7100	55B29	50040003	633
869.134-014	SUPERVISOR, ADJUSTABLE-STEEL-JOIST-SETTI	4	3	3	7	L2456	O6		7100	55B29	50040003	633
869.134-018	SUPERVISOR, PIPE-LINE MAINTENANCE	4	3	3	8	L3456	O		7100	55B29	50040003	633
899.131-010	LABOR-CREW SUPERVISOR	4	3	3	8	L456	O5		6311	55B29	50040003	558
899.133-010	SUPERVISOR, LABOR GANG	4	3	3	7	M23456	B6		7100	55B29	50040003	633
899.137-010	AIRPORT-MAINTENANCE CHIEF	4	3	3	7	L456	B		7100	55B29	50040003	633
899.137-014	SUPERINTENDENT, TRACK	4	3	3	6	L456	B		7100	55B29	50040003	633
899.137-018	SUPERVISOR, MAINTENANCE	4	3	3	7	L2456	O567		7100	55B29	50040003	633
914.131-010	SUPERVISOR, PUMPING	4	3	4	7	L45	B		7100	55B29	50040003	633
914.132-010	COMPRESSOR-STATION ENGINEER, CHIEF	4	3	4	8	L2456	B56		8120	55B29	50040003	843
914.132-014	STATION ENGINEER, CHIEF	4	3	4	8	L45	I56		8120	55B29	50040003	843
914.132-018	SUPERVISOR, CELLARS	4	2	2	7	L45	I24		7100	55B29	50040003	633
914.132-022	SUPERVISOR, FIELD-PIPE-LINES	4	3	4	7	L456	B5		7100	55B29	50040003	633
914.134-010	GAGER, CHIEF	4	3	4	7	L45	I5		7100	55B29	50040003	633
914.137-014	LOADING-RACK SUPERVISOR	4	3	4	7	L245	B7		7100	55B29	50040003	633
914.137-018	SUPERVISOR, DOCK	4	3	4	7	L2345	B7		7100	55B29	50040003	633
914.167-010	DISPATCHER, CHIEF 2	4	3	4	7	S45	I	15.0903	7100	55B29	50040003	633
915.134-010	TIRE-SERVICE SUPERVISOR	4	3	3	6	L3456	B		7100	55B29	50040003	633
939.131-014	SUPERVISOR, PRODUCTION	4	3	3	8	L5	B	15.0903	7100	55B29	50040003	633
939.131-018	WELL PULLER, HEAD	4	3	3	7	H2456	O56	15.0903	8120	55B29	50040003	843
939.132-014	OIL-WELL-SERVICES SUPERVISOR	4	3	3	8	L5	O56	15.0903	6320	55B29	50040003	613
939.137-010	CHIEF DISPATCHER	4	4	4	7	S45	I	15.0903	7100	61396	40061200	633
950.131-010	REFRIGERATING ENGINEER, HEAD	4	3	4	7	L45	I	15.0501	6700	55B29	50040003	633
950.131-014	STATIONARY-ENGINEER SUPERVISOR	4	3	3	7	L456	I5		6700	55B29	50040003	633
952.131-010	SUBSTATION OPERATOR, CHIEF	4	3	3	8	L456	I56		6700	55B29	50040003	633

*** PROGRAM: 06.2001 TRADE AND INDUSTRIAL SUPERVISION AND MANAGEMENT. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
952.137-010	CHIEF LOAD DISPATCHER	4	3	4	7	L45	I		7100	55B29	50040003	633
952.137-014	HYDROELECTRIC-STATION OPERATOR, CHIEF	4	3	3	7	L45	I		6700	55B29	50040003	633
952.137-018	SUPERINTENDENT, LOCAL	4	3	3	7	L456	B		7100	55B29	50040003	633
952.137-022	TURBINE OPERATOR, HEAD	4	3	3	7	L456	I5		6700	55B29	50040003	633
953.132-010	SUPERVISOR, LIQUEFACTION-AND-REGASIFICAT	4	3	4	8	L45	I6		6700	55B29	50040003	633
953.137-010	GAS-PUMPING-STATION SUPERVISOR	4	3	3	7	L45	I		8120	55B29	50040003	843
953.137-018	SERVICE SUPERVISOR 1	4	3	3	7	L45	B		7100	55B29	50040003	633
954.130-010	SUPERVISOR, PUMPING STATION	4	4	3	7	L456	B		6700	55B29	50040003	633
955.130-010	SUPERVISORY WASTEWATER-TREATMENT-PLANT O	4	4	4	7	L456	B47	15.0506	6700	55B29	50040003	633
959.137-010	DISPATCHER, CHIEF, SERVICE OR WORK	4	3	3	7	L45	I		4525	61396	40061200	307
971.131-010	SUPERVISOR, PHOTOENGRAVING	4	3	3	8	L456	I6		6700	55B29	50040003	633
972.130-010	SUPERVISOR, OFFSET-PLATE PREPARATION	4	4	4	8	L456	I		6700	55B29	50040003	633
973.137-010	SUPERVISOR, COMPOSING-ROOM	4	2	3	7	L456	I		7100	55B29	50040003	633
974.131-010	SUPERVISOR, ELECTROTYPING AND STEREOTYPI	4	3	3	8	M56	I		6700	55B29	50040003	633
976.131-014	SUPERVISOR, FILM PROCESSING	4	3	3	7	L46	I	10.0103	7100	55B29	50040003	633
976.131-018	SUPERVISOR, MICROFILM DUPLICATING UNIT	4	3	4	7	L456	I		6700	55B29	50040003	633
976.131-022	SUPERVISOR, QUALITY CONTROL	4	3	3	7	L456	I	10.0103	6700	55B29	50040003	633
976.132-010	SUPERVISOR, FILM PROCESSING	4	3	3	6	L456	I6		7100	55B29	50040003	633
976.134-010	SUPERVISOR, CUTTING AND SPLICING	4	2	3	6	L456	I	10.0103	7100	55B29	50040003	633
976.137-010	PHOTOGRAPHIC SUPERVISOR	4	2	3	7	L56	I	10.0103	7100	55B29	50040003	633
976.137-014	SUPERVISOR, FINISHING DEPARTMENT	4	2	3	6	L456	I		7100	55B29	50040003	633
979.130-010	SUPERVISOR, BLUEPRINTING-AND-PHOTOCOPY	4	2	2	8	L456	I		7100	55B29	50040003	633
979.131-018	SUPERVISOR, SILK-SCREEN CUTTING AND PRIN	4	3	3	8	L456	I		6700	55B29	50040003	633
979.137-018	SUPERVISOR, PRODUCTION	4	2	2	6	L56	I5		7100	55B29	50040003	633

PROGRAM: 12.0100 DRYCLEANING AND LAUNDERING SERVICES. A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS TO OPERATE AND MANAGE DRYCLEANING AND LAUNDERING PLANTS.

PROGRAM: 12.0101 DRYCLEANING AND LAUNDERING SERVICES, GENERAL. AN INSTRUCTIONAL PROGRAM THAT GENERALLY PREPARES INDIVIDUALS TO OPERATE AND MANAGE DRYCLEANING AND LAUNDERING PLANTS.

PROGRAM: 12.0102 DRYCLEANING. AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO OPERATE AND MANAGE DRY-CLEANING PLANTS. INCLUDES INSTRUCTION IN RECEIVING AND INSPECTING GARMENTS; IDENTIFYING SPOTS; DRY AND WET CLEANING; PRESSING, DYEING, SORTING AND WRAPPING APPAREL, HOUSEHOLD FURNISHINGS AND ACCESSORIES, AND LEATHER USING VARIOUS CLEANING AGENTS; IDENTIFYING KINDS OF FABRIC, AND MAKING MINOR ALTERATIONS AND REPAIR OF ARTICLES.

DICTIONARY OF OCCUPATIONAL TITLES CODE	FOURTH EDITION TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
361.682-010	RUG CLEANER, MACHINE	3	1	1	4	M4	I		7658	53022	61082813	748
362.381-010	SPOTTER	3	2	2	4	L46	I46	20.0302	6855	53002	61082802	748
362.382-010	DRY-CLEANER APPRENTICE	3	2	2	5	M346	I47	20.0302	7658	53006	61082806	748
362.382-014	DRY CLEANER	3	2	2	5	M346	I47	20.0302	7658	53006	61082806	748
362.684-010	DRY CLEANER, HAND	2	1	1	3	M346	I47	20.0302	7759	53008	61082807	795
362.684-014	FUR CLEANER	3	2	2	5	L346	I7	20.0302	7658	53017	61082810	748
362.684-018	FUR CLEANER, HAND	3	1	2	5	L46	I7	20.0302	7759	53017	61082810	795
362.684-022	FURNITURE CLEANER	2	1	2	3	M346	I7	20.0503	7759	59002	63000000	795
362.684-026	LEATHER CLEANER	3	2	2	3	L346	I45	20.0302	7658	59002	63000000	748
362.685-010	FEATHER RENOVATOR	1	1	1	2	L4	I5		7658	59003	80002899	748
362.686-010	DRY-CLEANER HELPER	2	1	1	2	M34	I45	20.0302	8617	59003	80002899	873
362.686-014	RUG-CLEANER HELPER	2	1	2	2	M4	I		8617	59003	80002899	873
362.687-010	GLOVE CLEANER, HAND	2	1	2	2	L46	I4	20.0302	8769	53008	61082807	889
362.687-014	LINING SCRUBBER	1	1	1	2	L4	I7	20.0302	8769	53008	61082807	889
362.687-018	SHAVER	1	1	1	2	L4	I4		8769	59003	80002899	889
363.681-010	SILK FINISHER	3	1	2	4	L4	I34567	20.0302	6855	53015	61081202	748
363.682-010	LEATHER FINISHER	3	1	2	4	L46	I57	20.0302	7657	53015	61081202	747
363.682-014	PRESSER, ALL-AROUND	2	2	1	3	M34	I3456	20.0302	7657	53015	61081202	747
363.682-018	PRESSER, MACHINE	2	1	1	2	L34	I346	12.0103 20.0302	7657	53015	61081202	747
363.684-010	BLOCKER	3	2	1	3	L346	I34567	20.0302	7657	53014	61081201	747
363.684-014	HAT BLOCKER	3	1	1	4	L46	I46	20.0302	7657	59002	63000000	747
363.684-018	PRESSER, HAND	2	1	1	2	L46	I3456	12.0103 20.0302	7759	53014	61081201	795
363.685-018	PRESSER, FORM	2	2	1	2	L4	I34567	12.0103 20.0302	7657	53016	61081203	747
363.687-010	GLOVE FORMER	1	1	1	3	L46	I6		8769	55J42	61087814	889
363.687-022	STRETCHER-DRIER OPERATOR	2	1	1	2	L4	I		8769	59003	80002899	889
364.361-010	DYER	4	3	2	7	M46	I34		6855	59002	63000000	748
364.361-014	RUG DYER 1	4	3	3	8	M46	I34		6855	59002	63000000	748

*** PROGRAM: 12.0102 DRYCLEANING. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
364.381-010	PAINTER, RUG TOUCH-UP	3	1	2	6	L46	I		6855	59002	63000000	748
364.684-010	RUG DYER 2	3	2	2	5	L346	I		7658	59002	63000000	748
364.684-018	SPRAYER, LEATHER	2	1	2	4	L46	I7		7759	59002	63000000	795
364.687-010	DYER HELPER	2	1	1	3	H4	I34		8769	56900	80002823	889
364.687-014	RUG-DYER HELPER	2	1	1	3	M34	I34		8769	59002	63000000	889
369.137-010	SUPERVISOR, DRY CLEANING	4	3	3	7	M456	I5	20.0302	6700	55B29	50040003	633
369.137-014	SUPERVISOR, RUG CLEANING	4	2	3	7	L56	I		6700	55B29	50040003	633
369.167-010	MANAGER, LAUNDROMAT	4	3	3	6	S45	I	06.1401 08.0203 12.0103	7100	19000	20061699	633
369.367-014	RUG MEASURER	3	2	2	4	L34	I		4363	61324	40066898	275
369.384-010	HATTER	3	1	2	6	L46	I4	20.0302	7759	59002	63000000	795
369.384-014	RUG CLEANER, HAND	3	1	2	5	M346	I		7759	53021	61082812	795
369.467-010	MANAGER, BRANCH STORE	3	2	2	3	L45	B	08.0203 12.0103 20.0302	4363	61324	40066898	275
369.587-010	VAULT CUSTODIAN	2	1	2	3	M46	I		7759	59002	63000000	795
369.677-010	SELF-SERVICE-LAUNDRY-AND-DRY-CLEANING AT	3	1	3	2	M456	I	12.0103 20.0302	4363	61324	40066898	275
369.684-010	FUR GLAZER	2	1	2	2	L46	I7		7759	53019	61082811	795
369.685-010	FUR BLOWER	2	1	1	2	L4	I		7658	59003	80002899	748
369.685-014	FUR CLEANER, MACHINE	2	1	2	3	L46	I	20.0302	7658	53017	61082810	748
369.685-018	FUR IRONER	3	1	1	3	L4	I		7657	53019	61082811	747
369.685-022	FUR-GLAZING-AND-POLISHING-MACHINE OPERAT	2	1	1	3	L46	I		7658	53019	61082811	748
369.685-026	RUG-DRY-ROOM ATTENDANT	2	1	1	2	M4	I		7659	59003	80002899	749
369.685-034	TUMBLER OPERATOR	2	1	1	2	M4	I4	20.0302	7659	53005	61082805	749
369.687-010	ASSEMBLER	2	1	2	3	L46	[illegible]	12.0103 20.0302	7850	53001	61082801	799
369.687-014	CHECKER	2	1	1	2	M46	I	12.0103 20.0302	7820	53001	61082801	796
369.687-022	INSPECTOR	2	1	2	3	L46	I	20.0302 20.0304	7820	55B58	50142202	796
369.687-026	MARKER	2	1	1	2	M4	I4	12.0103 20.0302	8769	53001	61082801	889
369.687-030	RUG INSPECTOR	3	1	2	4	L46	I		7820	55B58	50142202	796
580.687-010	ORIENTAL-RUG STRETCHER	2	1	2	2	M34	I		8769	59003	80002899	889
582.684-014	SPOT CLEANER	2	1	2	3	L46	I	12.0103 20.0302	7759	55P80	63000000	795
582.685-094	KNIT-GOODS WASHER	3	1	2	4	H346	I5		7659	59002	63000000	749
589.685-038	DRY CLEANER	2	1	1	2	L46	I	20.0302	7659	53006	61082806	749
689.687-050	OIL-SPOT WASHER	2	1	1	2	L46	I		8769	59003	80002899	889
689.687-066	RUG CLEANER	2	1	1	2	L46	I5		8769	53021	61082812	889
920.687-018	BAGGER	1	1	1	1	L4	I	12.0103 20.0302	8761	55C39	61060802	888

PROGRAM: 12.0103 LAUNDERING.
----------- AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO OPERATE AND MANAGE LAUNDERING PLANTS. INCLUDES INSTRUCTION IN RECEIVING AND INSPECTING GARMENTS; WASHING, IRONING, PRESSING, DYEING, BLEACHING, SORTING, FOLDING, AND WRAPPING HOUSEHOLD ARTICLES, WEARING APPAREL, AND FABRICS; USING CLEANING AGENTS; AND USING VARIOUS TYPES OF HAND AND POWER TOOLS AND EQUIPMENT.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION		GED			S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
CODE	TITLE	R	M	L								
187.167-194	SUPERINTENDENT, LAUNDRY	4	4	4	7	L5	I	20.0302	1359	19000	20061699	019
299.357-010	LINEN CONTROLLER	4	2	3	6	L56	I	08.0706	4490	79000	30001899	285
299.357-010	LINEN CONTROLLER	4	2	3	6	L56	I	08.0203	4490	79000	30001899	285
361.137-010	SUPERVISOR, LAUNDRY	3	3	3	6	L456	I4	20.0302 20.0605	6700	55829	50040003	633
361.587-010	FLATWORK TIER	2	2	2	2	L34	I	20.0605	7850	59003	80002899	799
361.665-010	WASHER, MACHINE	3	2	2	4	M34	I45	20.0302 20.0605	7658	53004	61082804	748
361.684-010	LAUNDERER, HAND	2	1	2	2	M4	I4	20.0302	7658	53011 59003	61082809 80002899	748
361.684-014	LAUNDRY WORKER 1	2	1	1	2	M4	I4	20.0302	7658	59003	80002899	748
361.684-018	SPOTTER	3	1	1	3	L46	I	20.0302	7759	53003	61082803	795
361.685-010	CONDITIONER-TUMBLER OPERATOR	2	1	2	2	M4	I34	20.0605	7658	53005	61082805	748
361.685-014	CONTINUOUS-TOWEL ROLLER	2	1	1	2	L4	I4	20.0605	7658	59003	80002899	748
361.685-018	LAUNDRY WORKER 2	2	1	1	2	M34	I345	20.0302 20.0605	7658	59003	80002899	748
361.685-022	PATCHING-MACHINE OPERATOR	1	1	1	2	L46	I	20.0302 20.0605	7658	59003	80002899	748
361.686-010	WASHING-MACHINE LOADER-AND-PULLER	2	1	1	2	H4	I45		8725	59003	80002899	878
361.687-010	ASSEMBLER, WET WASH	2	1	1	2	M4	I4	20.0605	7850	53001	61082801	799
361.687-014	CLASSIFIER	2	1	2	2	L346	I4	20.0605	7850	53001	61082801	799
361.687-018	LAUNDRY LABORER	1	1	1	2	M34	I4		8769	59003	80002899	889
361.687-022	LINEN GRADER	2	1	1	2	L346	I	20.0605	7850	53001	61082801	799
361.687-030	WASHER, HAND	2	1	1	2	L34	I4		8769	59003	80002899	889
363.682-018	PRESSER, MACHINE	2	1	1	2	L34	I346	12.0102 20.0302	7657	53015	61081202	747
363.684-018	PRESSER, HAND	2	1	1	2	L46	I3456	12.0102 20.0302	7759	53014	61081201	795
363.685-010	PRESS OPERATOR	2	1	1	2	L34	I34	20.0302	7657	53016	61081203	747
363.685-014	PRESSER, AUTOMATIC	2	1	1	3	L46	I4	20.0302	7657	53016	61081203	747
363.685-018	PRESSER, FORM	2	2	1	2	L4	I34567	12.0102 20.0302	7657	53016	61081203	747
363.685-022	PRESSER, HANDKERCHIEF	1	1	1	2	L4	I4	20.0302	7657	53016	61081203	747
363.685-026	SHIRT PRESSER	2	1	1	2	L46	I346	20.0302	7657	53016	61081203	747
363.686-010	FLATWORK FINISHER	2	1	1	2	L4	I46		8725	53016	61081203	878
363.687-014	IRONER, SOCK	1	1	1	1	L4	I34	20.0302	8769	53016	61081203	889
363.687-018	PUFF IRONER	1	1	1	1	L4	I	20.0302	8769	53016	61081203	889
369.167-010	MANAGER, LAUNDROMAT	4	3	3	6	S45	I	06.1401 08.0203	7100	19000	20061699	633

*** PROGRAM: 12.0103 LAUNDERING. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	D E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
								12.0102				
369.387-010	LAUNDRY WORKER 3	2	1	2	3	L34	I		8769	59002	63000000	889
369.467-010	MANAGER, BRANCH STORE	3	2	2	3	L45	B	08.0203 12.0102 20.0302	4363	61324	40066898	275
369.677-010	SELF-SERVICE-LAUNDRY-AND-DRY-CLEANING AT	3	1	3	2	M456	I	12.0102 20.0302	4363	61324	40066898	275
369.684-014	LAUNDRY OPERATOR	2	1	2	3	M4	I3456	20.0302	7658	53011	61082809	748
369.685-030	SHIRT-FOLDING-MACHINE OPERATOR	2	1	2	2	L4	I	20.0303	7659	55582	61086618	749
369.686-010	FOLDING-MACHINE OPERATOR	2	1	1	2	L4	I		8725	55B30	61082818	878
369.687-010	ASSEMBLER	2	1	2	3	L46	I	12.0102 20.0302	7850	53001	61082801	799
369.687-014	CHECKER	2	1	1	2	M46	I	12.0102 20.0302	7820	53001	61082801	796
369.687-018	FOLDER	2	1	1	2	L4	I4	20.0302	8769	55B30	61082818	889
369.687-026	MARKER	2	1	1	2	M4	I4	12.0102 20.0302	8769	53001	61082801	889
581.685-042	EXTRACTOR OPERATOR	2	1	2	2	M4	I		7659	59003	80002899	749
581.686-014	DRIER	2	1	1	2	L34	I		8725	59003	80002899	878
582.684-014	SPOT CLEANER	2	1	2	3	L46	I	12.0102 20.0302	7759	55P80	63000000	795
582.685-018	BLEACH-RANGE OPERATOR	2	1	2	2	M346	I45		7659	55E81	61041003	749
582.685-022	BOIL-OFF-MACHINE OPERATOR, CLOTH	2	1	2	2	M346	I345		7659	55E92	61041005	749
582.685-030	CLOTH-WASHER OPERATOR	2	1	2	2	M346	I45		7659	59003	80002899	749
582.685-066	FEATHER WASHER	2	1	1	2	L4	I		7659	59003	80002899	749
582.685-070	FELT-WASHING-MACHINE TENDER	2	1	2	3	M46	I		7659	59002	63000000	749
582.685-150	STEAMING-CABINET TENDER	2	1	1	2	L46	I		7659	59003	80002899	749
582.685-162	WASHER	2	1	2	3	M346	I57		7659	55R27	61082820	749
582.685-166	WOOL-WASHING-MACHINE OPERATOR	2	1	1	2	L4	I		7659	59003	80002899	749
583.132-010	SUPERVISOR, PRESSING DEPARTMENT	4	3	3	7	L456	I5		7100	55B29	50040003	633
589.685-066	LAUNDRY-MACHINE TENDER	2	1	1	3	M346	I34		7659	59002	63000000	749
920.687-018	BAGGER	1	1	1	1	L4	I	12.0102 20.0302	8761	55C39	61060802	888

PROGRAM: 12.0199 DRYCLEANING AND LAUNDERING SERVICES, OTHER.

ANY INSTRUCTIONAL PROGRAM IN DRYCLEANING AND LAUNDERING SERVICES NOT DESCRIBED ABOVE.

PROGRAM: 12.0400 PERSONAL SERVICES.

A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS TO RENDER A VARIETY OF PERSONAL SERVICES.

PROGRAM: 12.0401 PERSONAL SERVICES, GENERAL.

AN INSTRUCTIONAL PROGRAM THAT GENERALLY PREPARES INDIVIDUALS TO RENDER A VARIETY OF PERSONAL SERVICES.

PROGRAM: 12.0402 BARBERING.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO CUT, SHAMPOO, AND STYLE HAIR; AND SHAVE; WITH SPECIAL ATTENTION TO HYGIENE, SKIN AND SCALP DISEASE, AND EQUIPMENT STERILIZATION. INSTRUCTION QUALIFIES STUDENTS FOR LICENSING EXAMINATIONS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
000.000-000						12.0403	5253	44038	70080500	458
187.167-000	MANAGER, BARBER OR BEAUTY SHOP	4 4 4	7	L456	I	06.1401 08.0203 12.0403	5251	19000	20061699	456
330.371-010	BARBER	3 2 3	6	L456	I		5252	44002	70081000	457
330.371-014	BARBER APPRENTICE	3 2 3	6	L456	I		5252	44002	70081000	457
332.271-018	HAIR STYLIST	4 3 3	6	L456	I	12.0403	5253	44006	70082001	458

PROGRAM: 12.0403 COSMETOLOGY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO CARE FOR AND BEAUTIFY HAIR, COMPLEXION, AND HANDS BY GIVING SHAMPOOS, RINSES, AND SCALP TREATMENT, STYLING, SETTING, CUTTING, DYEING, TINTING, PERMANENT WAVING, AND BLEACHING HAIR; AND GIVING FACIALS, MANICURES, AND HAND AND ARM MASSAGES, WITH EMPHASIS ON HYGIENE, SANITATION, CUSTOMER RELATIONS, AND SALON MANAGEMENT. INSTRUCTION QUALIFIES STUDENT FOR LICENSING EXAMINATIONS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
000.000-000						12.0402	5253	44038	70080500	458
187.167-058	MANAGER, BARBER OR BEAUTY SHOP	4 4 4	7	L456	I	06.1401 08.0203 12.0402	5251	19000	20061699	456
261.351-010	SALESPERSON, WIGS	3 3 3	4	L456	I	08.0706	4354	71900 71999	30001899 30001807	274
						08.0102	4354	71900 71999	30001899 30001807	
						08.0705	4354	71900 71999	30001899 30001807	
331.674-010	MANICURIST	2 1 2	3	S46	I		5253	44023	70082003	458
332.271-010	COSMETOLOGIST	4 3 3	6	L456	I		5253	44006	70082001	458
332.271-014	COSMETOLOGIST APPRENTICE	4 3 3	6	L456	I		5253	44006	70082001	458
332.271-018	HAIR STYLIST	4 3 3	6	L456	I	12.0402	5253	44006	70082001	458
332.361-010	WIG DRESSER	3 2 2	6	L456	I		5253	44036	70200099	458
333.071-010	MAKE-UP ARTIST	4 3 3	7	L456	I		5253	44022	70200099	458
333.271-010	BODY-MAKE-UP ARTIST	3 2 2	4	L456	I		5253	44022	70200099	458
339.361-010	MORTUARY BEAUTICIAN	3 2 2	6	M46	I67		5253	44086	70080602	458
339.371-010	ELECTROLOGIST	3 2 3	5	L46	I	12.0404	5253	49000	70200099	458
339.371-014	SCALP-TREATMENT OPERATOR	3 2 3	5	L456	I		5253	44032	70082004	458
339.687-010	SUPPLY CLERK	2 2 1	3	L4	I4	07.0708	4754	62008	40065404	365

PROGRAM: 12.0404 ELECTROLYSIS.
------------- AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO REMOVE HAIR, WARTS, MOLES, AND BIRTHMARKS FROM AN INDIVIDUAL BY MEANS OF AN ELECTRIC CURRENT APPLIED TO THE BODY WITH A NEEDLE-SHAPED ELECTRODE.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	D E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
339.371-010	ELECTROLOGIST	3 2 3	5	L46	I	12.0403	5253	49000	70200099	458

PROGRAM: 12.0405 MASSAGE.
-------- AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ADMINISTER SYSTEMATIC FRICTION, STROKING, SLAPPING, KNEADING OR TAPPING TO STIMULATE CIRCULATION, INCREASE SUPPLENESS, PROMOTE HEALING, AND INDUCE RELAXATION IN THE HUMAN BODY.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	D E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
334.374-010	MASSEUR/MASSEUSE	3 2 3	4	M4	I		5269	44024	70080609	469
334.677-010	RUBBER	2 1 2	2	M4	I34		5269	44024	70080609	469
335.677-010	COOLING-ROOM ATTENDANT	2 1 2	2	L345	I		5269	49000	70200099	469
335.677-014	HOT-ROOM ATTENDANT	2 1 2	2	L345	I34		5269	49000	70200099	469

PROGRAM: 12.0499 PERSONAL SERVICES, OTHER.
------------------------ ANY INSTRUCTIONAL PROGRAM IN PERSONAL SERVICES NOT DESCRIBED ABOVE.

PROGRAM: 43.0100 CRIMINAL JUSTICE. A GROUP OF INSTRUCTIONAL PROGRAMS THAT DESCRIBE THE PRINCIPLES AND PROCEDURES OF DEVELOPING, ADMINISTERING, AND MANAGING CORRECTIONAL, LAW ENFORCEMENT, AND FORENSIC SERVICES.

PROGRAM: 43.0107 LAW ENFORCEMENT AN INSTRUCTIONAL PROGRAM THAT DESCRIBES THE THEORY, PRINCIPLES, AND TECHNIQUES OF DEVELOPING, ADMINISTERING, AND MANAGING SERVICES FOR THE SAFETY AND PROTECTION OF PEOPLE AND PROPERTY.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION		GED			S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
CODE	TITLE	R	M	L								
000.000-000									5134	44508	70100800	423
168.167-010	CUSTOMS PATROL OFFICER	5	3	4	8	L23456	B6	43.0105	5132	10001	20040800	418
168.167-074	REVIEWING OFFICER, DRIVER'S LICENSE	4	3	4	7	S5	I		1473	10001	20040800	036
168.267-062	INVESTIGATOR	5	4	4	6	L56	B	43.0105	1473	25503	10243404	036
168.267-066	LICENSE INSPECTOR	4	3	3	7	L56	I		1473	10001	20040800	036
169.167-042	PARK RANGER	4	3	4	7	L2456	O6	03.0203	1139	19000	20061699	005
188.167-090	SPECIAL AGENT, CUSTOMS	5	3	5	8	L56	I6	43.0105	1473	19000	20061699	036
195.167-030	PAROLE OFFICER	5	3	5	7	S5	I	43.0105	2032	25418	10243401	174
195.167-034	PROBATION OFFICER	5	3	5	7	S5	I	43.0105	2032	25418	10243401	174
199.267-022	EXAMINER, QUESTIONED DOCUMENTS	5	2	4	6	L56	I		3990	39000	10141404	235
209.367-026	FINGERPRINT CLERK 1	3	2	2	2	L45	I		4799	61900	40066898	389
375.117-010	POLICE CHIEF	5	3	4	9	S5	I	43.0105	1131	19000	20061699	006
375.133-010	POLICE SERGEANT, PRECINCT 1	3	2	3	6	L56	B6	43.0105	5112	44501	70101004	414
375.137-010	COMMANDER, IDENTIFICATION AND RECORDS	4	3	3	8	L5	I	43.0105	5112	44501	70101004	414
375.137-014	DESK OFFICER	4	2	3	7	S5	I		5112	44501	70101004	414
375.137-018	POLICE LIEUTENANT, COMMUNITY RELATIONS	4	3	3	8	S5	I	43.0105	5112	44501	70101004	414
375.137-026	TRAFFIC SERGEANT	4	2	3	7	L56	B	43.0105	5112	44501	70101004	414
375.163-010	COMMANDING OFFICER, MOTORIZED SQUAD	4	3	4	8	L5	B6	43.0105	5112	44501	70101004	414
375.167-010	COMMANDING OFFICER, HOMICIDE SQUAD	4	3	4	7	L5	I6	43.0105	5112	44501	70101004	414
375.167-014	COMMANDING OFFICER, INVESTIGATION DIVISI	4	2	3	7	L5	I	43.0105	5112	44501	70101004	414
375.167-022	DETECTIVE CHIEF	4	2	3	7	L5	I	43.0105	5112	44501	70101004	414
375.167-026	HARBOR MASTER	5	3	4	8	S5	I		1131	19000	20061699	006
375.167-030	LAUNCH COMMANDER, HARBOR POLICE	4	2	3	6	L2456	B6	43.0105	5112	44501	70101004	414
3[illegible].167-034	POLICE CAPTAIN, PRECINCT	4	3	4	7	S5	I	43.0105	5112	44501	70101004	414
375.167-038	POLICE LIEUTENANT, PATROL	4	3	4	8	L5	I6	43.0105	5112	44501	70101004	414
375.167-046	TRAFFIC LIEUTENANT	4	2	3	7	L56	B	43.0105	5112	44501	70101004	414
375.227-010	POLICE-ACADEMY INSTRUCTOR	4	2	3	7	L5	I	43.0105	2249	25199	10206099	153
375.263-010	ACCIDENT-PREVENTION-SQUAD POLICE OFFICER	4	2	3	5	M456	O6		5132	44503	70101006	418
375.263-014	POLICE OFFICER 1	4	2	3	6	M456	B6		5132	44503	70101006	418
375.263-018	STATE-HIGHWAY POLICE OFFICER	4	2	3	4	M456	I6		5132	44503	70101006	418
375.267-010	DETECTIVE	4	2	3	7	L56	B6	43.0105	5132	44502	70101005	418
375.267-014	DETECTIVE, NARCOTICS AND VICE	4	3	4	7	L56	B6	43.0105	5132	44502	70101005	418
375.267-018	INVESTIGATOR, NARCOTICS	4	2	3	7	L56	B6	43.0105	5132	44502	70101005	418
375.267-022	INVESTIGATOR, VICE	4	2	3	7	M56	B6	43.0105	5132	44502	70101005	418
375.267-026	POLICE INSPECTOR 1	4	3	4	7	L45	I	43.0105	5132	44501	70101004	418
375.267-030	POLICE INSPECTOR 2	4	3	4	5	L456	B6		5132	44502	70101005	418
375.363-010	BORDER GUARD	3	2	3	5	M56	B6		5132	44503	70101006	418
375.367-010	POLICE OFFICER 2	3	1	2	4	L45	I6		5133	44505	70100607	424

*** PROGRAM: 43.0107 LAW ENFORCEMENT. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
375.384-010	POLICE OFFICER, IDENTIFICATION AND RECOR	4	3	3	7	L46	B	43.0105	5132	44502	70101005	418
375.387-010	FINGERPRINT CLASSIFIER	4	2	3	6	L6	I	43.0105	3990	39000	10141404	235
375.587-010	PARKING ENFORCEMENT OFFICER	2	1	2	2	L4	O		5134	44504	70101007	423
376.267-018	INVESTIGATOR, PRIVATE	4	3	4	5	L456	B	43.0105 43.0109	5144	44010	70101001	426
376.367-022	INVESTIGATOR	3	2	3	6	L5	I	43.0109	5144	44010	70101001	426
377.117-010	SHERIFF, DEPUTY, CHIEF	5	4	4	9	L5	I	43.0105	5134	44501	70101004	423
377.134-010	SUPERVISOR, IDENTIFICATION AND COMMUNICA	4	3	4	8	L456	I	43.0105	5112	44014	70200001	414
377.137-010	DEPUTY SHERIFF, COMMANDER, CIVIL DIVISIO	4	3	4	7	S5	I	43.0105	5134	44501	70101004	423
377.137-014	DEPUTY SHERIFF, COMMANDER, CRIMINAL AND	4	3	4	8	S5	I67	43.0105	5134	44501	70101004	423
377.137-018	DEPUTY, COURT	3	2	3	6	L5	I		5134	44501	70101004	423
377.167-010	DEPUTY SHERIFF, CHIEF	4	3	4	8	S5	I6	43.0105	5134	44501	70101004	423
377.263-010	SHERIFF, DEPUTY	3	2	3	5	M456	B6		5134	44506	70101201	423
377.264-010	IDENTIFICATION OFFICER	4	3	4	8	L46	B	43.0105	5132	44502	70101005	418
377.363-010	DEPUTY SHERIFF, GRAND JURY	3	1	2	6	L45	I		5134	49000	70200099	423
377.667-014	DEPUTY SHERIFF, BUILDING GUARD	2	1	2	3	L45	O6		5134	49000	70200099	423
377.667-018	DEPUTY SHERIFF, CIVIL DIVISION	3	3	3	3	L5	B6		5134	44506	70101201	423

PROGRAM: 43.0109 SECURITY SERVICES. AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO POLICE PRIVATE PROPERTY TO PREVENT THIEVERY, MALICIOUS DAMAGE AND DISHONESTY AMONG EMPLOYEES OR PATRONS, AND TO MAINTAIN ORDER.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
000.000-000									5149	44085	70082600	427
168.267-022	CUSTOMS INSPECTOR	4	4	4	6	L23456	I		1473	10001	20040800	036
189.167-050	SUPERINTENDENT, PLANT PROTECTION	5	4	4	8	S5	I		1359	19000	20061699	019
343.367-014	GAMBLING MONITOR	4	3	3	7	L6	I		5254	44010	70101001	459
371.567-010	GUARD, SCHOOL-CROSSING	2	1	2	2	L456	O		5142	44062	70100203	425
371.667-010	CROSSING TENDER	2	2	2	3	L456	I		5142	44063	70100202	425
372.137-010	CORRECTION OFFICER, HEAD	4	2	3	6	L5	I	43.0105	5112	44501	70101004	414
372.167-014	GUARD, CHIEF	3	2	3	6	L56	B6		5113	44014	70200001	415
372.167-018	JAILER, CHIEF	4	3	4	7	S5	I6		5112	44014	70200001	414
372.167-022	MANAGER, ARMORED TRANSPORT SERVICE	4	3	4	6	L45	I	06.1401 08.0203	1342	19000	20061699	019
372.267-010	SPECIAL AGENT	4	3	4	5	L2456	I56		5144	44083	70101003	426
372.363-010	PROTECTIVE OFFICER	3	2	3	4	M2346	B6		5132	42000	70100601	418
372.367-010	COMMUNITY SERVICE OFFICER, PATROL	3	2	3	3	L5	O6		5132	42000	70100601	418
372.367-014	JAILER	3	2	2	4	L456	I6		5133	44505	70100607	424
372.563-010	ARMORED-CAR GUARD AND DRIVER	3	2	2	3	M46	I6		5144	42000	70100601	426
372.567-010	ARMORED-CAR GUARD	3	2	2	3	M46	I367		5144	42000	70100601	426
372.567-014	GUARD, IMMIGRATION	3	2	3	4	M45	B6		5133	49000	70200099	424
372.667-014	BODYGUARD	2	1	2	3	L456	B		5144	49000	70200099	426
372.667-018	CORRECTION OFFICER	3	2	2	4	L456	I6		5133	44505	70100607	424
372.667-030	GATE TENDER	3	2	2	3	L5	B		5144	42000	70100601	426
372.667-034	GUARD, SECURITY	3	1	2	3	L56	B6		5144	42000	70100601	426
372.667-038	MERCHANT PATROLLER	2	1	2	3	L56	B6		5144	42000	70100601	426
372.667-042	SCHOOL BUS MONITOR	2	1	2	2	L56	I		5149	49000	70200099	427
376.137-010	MANAGER, INTERNAL SECURITY	4	3	4	7	L56	I6	08.0203	5113	44014	70200001	415
376.167-010	SPECIAL AGENT-IN-CHARGE	4	3	4	7	S45	I		5144	44014	70200001	426
376.267-010	INVESTIGATOR, CASH SHORTAGE	4	3	3	6	S56	I		5144	44073	70101002	426
376.267-014	INVESTIGATOR, FRAUD	4	4	3	7	S56	I		5144	44073	70101002	426
376.267-018	INVESTIGATOR, PRIVATE	4	3	4	5	L456	B	43.0105 43.0107	5144	44010	70101001	426
376.267-022	SHOPPING INVESTIGATOR	3	3	3	3	L56	I		5144	44073	70101002	426
376.367-010	ALARM INVESTIGATOR	3	1	3	3	L456	I6		5144	44073	70101002	426
376.367-014	DETECTIVE 1	3	2	3	4	L56	I		5144	44073	70101002	426
376.367-018	HOUSE OFFICER	3	1	2	4	L5	I		5144	44010	70101001	426
376.367-022	INVESTIGATOR	3	2	3	6	L5	I	43.0107	5144	44010	70101001	426
376.367-026	UNDERCOVER OPERATOR	3	2	3	4	L456	I		5144	44010	70101001	426
376.667-010	BOUNCER	2	1	2	3	L5	I		5144	42000	70100601	426
376.667-014	DETECTIVE 2	3	2	3	4	L456	I		5144	44010	70101001	426
376.667-018	PATROLLER	2	1	2	3	L56	B		5144	44083	70101003	426
377.667-010	BAILIFF	2	1	2	3	L5	I		5134	44507	70101202	423
379.667-010	GOLF-COURSE RANGER	3	2	3	4	L456	O		5144	42000	70100601	426

PROGRAM: 43.0200 FIRE PROTECTION.

---------------- A GROUP OF INSTRUCTIONAL PROGRAMS THAT DESCRIBE THE THEORY, PRINCIPLES, AND TECHNIQUES OF DEVELOPING, ADMINISTERING, AND MANAGING SERVICES FOR FIRE- PREVENTION, FIRE-FIGHTING, AND RESCUE.

PROGRAM: 43.0203 FIREFIGHTING.

------------- AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO FIGHT FIRES, AND CONTROL THE OUTBREAK OF FIRE. INCLUDES INSTRUCTION IN FIRE DEPARTMENT ORGANIZATION; THE USE OF WATER AND OTHER MATERIALS IN FIREFIGHTING AND VARIOUS KINDS OF EQUIPMENT SUCH AS EXTINGUISHERS, PUMPS, HOSES, ROPES, LADDERS, GAS MASKS, HYDRANTS, AND STANDPIPE AND SPRINKLER SYSTEMS; METHODS OF ENTRY AND RESCUE AND SALVAGE PRACTICES AND EQUIPMENT; AND FIRE AND ARSON INSPECTION AND INVESTIGATION TECHNIQUES.

DICTIONARY OF OCCUPATIONAL TITLES CODE	FOURTH EDITION TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
169.167-022	FIRE ASSISTANT	4	3	4	6	L56	B	03.0203 43.0201	1131	22308	10241600	006
373.117-010	FIRE CHIEF	5	4	5	8	L56	B3567		1131	19000	20061699	006
373.134-010	FIRE CAPTAIN	4	3	4	7	M23456	B34567		5111	44553	70100403	413
373.167-010	BATTALION CHIEF	5	4	4	8	L56	B67		5111	44553	70100403	413
373.167-014	CAPTAIN, FIRE-PREVENTION BUREAU	5	4	4	8	L25	B67		5111	44553	70100403	413
373.167-018	FIRE MARSHAL	4	3	3	7	M456	B67		5111	44553	70100403	413
373.267-010	FIRE INSPECTOR	4	3	4	7	L256	B	43.0201	5122	44551	70100402	416
373.267-014	FIRE MARSHAL	4	3	4	7	L23456	I67		5122	49000	70200099	416
373.267-018	FIRE-INVESTIGATION LIEUTENANT	5	4	5	7	M3456	I67		5122	44553	70100403	416
373.364-010	FIRE FIGHTER	4	2	3	6	V23456	B34567		5123	44552	70100401	417
373.663-010	FIRE FIGHTER, CRASH, FIRE, AND RESCUE	4	2	3	5	V23456	O34567		5123	44552	70100401	417
379.687-010	FIRE-EXTINGUISHER-SPRINKLER INSPECTOR	3	2	2	4	L234	B2	43.0201	5122	44551	70100402	416
452.134-010	SMOKE JUMPER SUPERVISOR	3	2	3	8	V23456	B3567	03.0203	5111	44014	70200001	413
452.167-010	FIRE WARDEN	5	3	3	7	L23456	O3567	03.0203	5122	44059	80002831	416
452.364-014	SMOKE JUMPER	3	2	2	6	V23456	B34567	03.0203	5123	44552	70100401	417
452.367-010	FIRE LOOKOUT	3	2	3	5	L2456	B	03.0203	5122	44059	80002831	416
452.367-014	FIRE RANGER	3	2	3	4	M23456	O	03.0203	5122	44059	80002831	416
452.687-014	FOREST-FIRE FIGHTER	2	1	1	2	H234	O3567	03.0203	5123	44552	70100401	417
638.281-010	FIRE-FIGHTING-EQUIPMENT SPECIALIST	4	3	4	7	H346	B567		6179	51900	50083279	547

PROGRAM: 46.0000 CONSTRUCTION TRADES. A SUMMARY OF GROUPS OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS TO ERECT, INSTALL, MAINTAIN, AND REPAIR BUILDINGS, HIGHWAYS, AIRPORTS, MISSILE SITES, AND OTHER STRUCTURES USING MATERIALS SUCH AS METAL, WOOD, STONE, BRICK, GLASS, CONCRETE, AND COMPOSITION SUBSTANCES. INCLUDES INSTRUCTION IN COST ESTIMATING; CUTTING, FASTENING, AND FITTING VARIOUS MATERIALS; THE USE OF HAND AND POWER TOOLS; AND IN FOLLOWING TECHNICAL SPECIFICATIONS AND BLUEPRINTS.

PROGRAM: 46.0100 BRICKMASONRY, STONEMASONRY, AND TILE SETTING. A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS TO LAY BRICK, CONCRETE BLOCK, AND HARD TILE, MARBLE AND RELATED MATERIALS, USING TROWELS, LEVELS, HAMMERS, CHISELS, AND OTHER HANDTOOLS.

PROGRAM: 46.0101 BRICKMASONRY, STONEMASONRY, AND TILE SETTING, GENERAL. AN INSTRUCTIONAL PROGRAM THAT GENERALLY PREPARES INDIVIDUALS TO LAY BRICK, CONCRETE BLOCK, HARD TILE, MARBLE AND RELATED MATERIALS, USING TROWELS, LEVELS, HAMMERS, CHISELS, AND OTHER HANDTOOLS.

PROGRAM: 46.0102 BRICK, BLOCK, AND STONEMASONRY. AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO LAY BRICKS AND/OR BLOCKS. INCLUDES INSTRUCTION IN LAYING OUT AND/OR SPACING BONDS; DETERMINING VERTICAL AND HORIZONTAL ALIGNMENT OF COURSES USING GAUGES, PLUMB-BOBS, AND LEVELS; AND CUTTING, NOTCHING, AND SHAPING BLOCKS, BRICKS, TERRA-COTTA VENEER, GLASS, AND STONE TO CONSTRUCT OR REPAIR WALLS, PARTITIONS, ARCHES, SEWERS, AND FIREPLACES.

DICTIONARY OF OCCUPATIONAL TITLES CODE	FOURTH EDITION TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
670.384-010	STONE GRADER	3	2	2	6	H46	I		7820	55858	50142202	796
670.587-010	STONE LAYOUT MARKER	3	2	1	3	M46	I567		7759	59001	50144899	795
670.685-010	STONE TRIMMER	2	1	1	3	M46	I56		7678	59002	63000000	769
673.382-010	SANDBLASTER, STONE	3	1	1	6	M46	I567		7677	55N54	61088048	768
673.382-014	SANDBLASTER, STONE APPRENTICE	3	1	1	6	M46	I567		7677	55N54	61088048	768
673.382-018	STONE POLISHER, MACHINE	3	1	1	6	M4	I45		7477	55Q25	61082413	768
673.382-022	STONE POLISHER, MACHINE APPRENTICE	3	1	1	6	M4	I45		7477	55Q25	61082413	768
673.662-010	TOP POLISHER	3	2	1	6	M46	I4567		7677	55Q25	61082413	768
673.666-010	BELT SANDER, STONE	2	1	1	2	V4	I567		8725	55Q25	61082413	878
673.682-018	EDGER-MACHINE OPERATOR	2	1	1	3	H46	I456		7477	59002	63000000	768
673.682-030	SLAB GRINDER	3	1	1	5	L4	I5		7677	55Q25	61082413	768
673.685-014	BED RUBBER	3	2	1	4	H4	I5		7677	55Q25	61082413	768
673.685-082	STRIP POLISHER	2	1	1	2	M4	I45		7677	55Q25	61082413	768
673.686-018	EDGER-MACHINE HELPER	2	1	1	2	H4	I456		8725	59003	80002899	878
674.662-010	STONE-LATHE OPERATOR	4	2	2	7	H4	I		7477	59001	50144899	768
675.682-010	CONTOUR GRINDER	3	2	1	5	M46	I456		7477	55G67	50144202	768
675.682-018	PLANER, STONE	3	2	2	5	H46	I7		7477	55M26	61082407	768
676.462-010	ROUTER OPERATOR	3	3	3	3	H4	I567		7479	59002	63000000	777
676.682-014	STONE DRILLER	3	2	2	4	H34	I5		7679	59002	63000000	777
676.686-010	STONE-DRILLER HELPER	1	1	1	2	H4	I4567		8725	59003	80002899	878
677.682-018	SINK CUTTER	2	1	2	3	V46	I567		7678	55Q21	61082412	769

*** PROGRAM: 46.0102 BRICK, BLOCK, AND STONEMASONRY. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
677.682-022	STONECUTTER, MACHINE	3	2	1	6	M46	I567	49.0204	7678	55Q21	61082412	769
677.685-042	SPLITTER OPERATOR	2	1	1	2	H4	05		7679	55P77	61081446	777
677.685-046	SPLITTING-MACHINE OPERATOR	3	2	1	3	L46	I56		7678	55P77	61081446	769
677.685-050	STONE SPLITTER	2	2	1	2	L4	I		7678	55P77	61081446	769
679.664-010	BED SETTER	2	1	1	3	H346	I56		7759	59002	63000000	795
679.685-018	THERMAL-SURFACING-MACHINE OPERATOR	2	1	1	2	L456	I56		7679	59003	80002899	777
709.684-046	HOT-TOP LINER	2	1	1	3	H4	B357		6412	55C46	50020606	563
709.687-018	HOT-TOP-LINER HELPER	1	1	1	3	H4	B357		8641	56002	80002823	865
779.684-058	STONE REPAIRER	3	2	3	5	L4	I		6413	55C92	50020602	563
861.131-010	BRICKLAYER SUPERVISOR	4	3	3	8	M23456	B57		6312	55B29	50040003	553
861.361-010	COMPOSITION-STONE APPLICATOR	3	2	2	7	L234	046		6413	55C92	50020602	563
861.361-014	MONUMENT SETTER	4	2	3	7	H23456	0		6413	55C92	50020602	563
861.381-010	ACID-TANK LINER	4	3	3	7	M2346	I5		6412	55A31	50020601	563
861.381-014	BRICKLAYER	3	2	2	8	M346	B3		6412	55A31	50020601	563
861.381-018	BRICKLAYER	4	3	3	8	M2346	B6		6412	55A31	50020601	563
861.381-022	BRICKLAYER APPRENTICE	4	3	3	8	M346	B3		6412	55A31	50020601	564
861.381-026	BRICKLAYER, FIREBRICK AND REFRACTORY TIL	4	3	3	8	M2346	B34567		6412	55C46	50020606	563
861.381-030	MARBLE SETTER	4	2	3	7	H2346	B57		6413	55C92	50020602	563
861.381-038	STONEMASON	4	3	3	7	M2346	056		6413	55C92	50020602	
861.381-042	STONEMASON APPRENTICE	4	3	3	7	M2346	056		6413	55C92	50020602	564
861.381-062	TILE-CONDUIT LAYER	3	2	2	6	M34	0		6414	55C23	80000609	565
861.684-010	CUPOLA PATCHER	3	1	1	4	M2346	I		6412	55C46	50020606	563
861.684-014	PATCHER	2	1	1	4	H234	B357		6412	55C46	50020606	563
861.687-010	BRICKLAYER HELPER, FIREBRICK AND REFRACT	2	1	1	3	H4	B		8641	56002	80002823	865
861.687-014	PATCHER HELPER	1	1	1	2	H34	I357		8641	59003	80002899	865
869.381-030	STEEPLE JACK	3	3	3	7	M2346	067		6412	59001	50144899	563
869.664-014	CONSTRUCTION WORKER 1	3	3	3	4	H2346	B567	01.0205	6479	55A68	50021202	599
								46.0103		55B22	50021805	
								46.0201		55B26	50023202	
								46.0401		55B28	50022000	
								46.0402		55B31	80000603	
								46.0404		55C23	80000609	
								46.0405		55C75	80000612	599
								46.0407		56013	80062823	
								46.0408		56016	80002823	
								46.0409				
								46.0410				
								46.0411				
								46.0502				

*** PROGRAM: 46.0102 BRICK, BLOCK, AND STONEMASONRY. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
869.687-026	CONSTRUCTION WORKER 2	2	1	1	2	V234	056	01.0205	8710	55A97	80000606	869
								46.0103		55C73	80000611	
								46.0201		55R67	80000629	
								46.0401		56004	80002823	
								46.0402		56006	80002823	
								46.0404		56009	80002823	
								46.0405		56011	80002823	
								46.0407		56012	80002823	
								46.0408				
								46.0409				
								46.0410				
								46.0411				
								46.0502				
899.364-010	CHIMNEY REPAIRER	3	2	2	5	M2346	B67		6412	59002	63000000	563
899.684-010	BONDACTOR-MACHINE OPERATOR	3	1	1	3	M2346	I37	48.0502	6130	55C46	50020606	518

PROGRAM: 46.0103 TILE SETTING.

------------ AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO APPLY TILE TO WALLS, FLOORS, CEILINGS, AND ROOF DECKS. INCLUDES INSTRUCTION IN FASTENING LATH TO WALLS; SPREADING PLASTER AND/OR CONCRETE; LEVELING TO THE DESIRED DEPTH; SPREADING MASTIC AND ADHESIVE BASE; AND CUTTING, SHAPING, AND POSITIONING TILE.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
861.381-034	SOFT-TILE SETTER	4	2	3	7	L2346	I		6462	55S06	50024002	5[illegible]
861.381-054	TILE SETTER	4	3	3	7	M346	I		6414	55D19	50024001	5[illegible]
861.381-058	TILE SETTER APPRENTICE	4	3	3	7	M346	I		6414	55D19	50024001	5[illegible]3
861.684-018	TILE SETTER	2	1	2	2	M46	I		6414	55D19	50024001	565
869.664-014	CONSTRUCTION WORKER 1	3	3	3	4	H2346	B567	01.0205	6479	55A68	50021202	599
								46.0102		55B22	50021805	
								46.0201		55B26	50023202	
								46.0401		55B28	50022000	
								46.0402		55B31	80000603	
								46.0404		55C23	80000609	
								46.0405		55C75	80000612	599
								46.0407		56013	80062823	
								46.0408		56016	80002823	
								46.0409				
								46.0410				
								46.0411				
								46.0502				

*** PROGRAM: 46.0103 TILE SETTING. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
869.687-026	CONSTRUCTION WORKER 2	2 1 1	2	V234	056	01.0205	8710	55A97	80000606	869
						46.0102		55C73	80000611	
						46.0201		55R67	80000629	
						46.0401		56004	80002823	
						46.0402		56006	80002823	
						46.0404		56009	80002823	
						46.0405		56011	80002823	
						46.0407		56012	80002823	
						46.0408				
						46.0409				
						46.0410				
						46.0411				
						46.0502				

PROGRAM: 46.0199 BRICKMASONRY, STONEMASONRY, AND TILE SETTING, OTHER. ANY INSTRUCTIONAL PROGRAM IN BRICKMASONRY, STONEMASONRY, AND TILE SETTING NOT DESCRIBED ABOVE.

PROGRAM: 46.0200 CARPENTRY.
A GROUP OF INSTRUCTIONAL PROGRAMS (SEE 46.0201)

PROGRAM: 46.0201 CARPENTRY.
AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO LAY OUT, FABRICATE, ERECT, INSTALL, AND REPAIR WOODEN STRUCTURES AND FIXTURES, USING HAND AND POWER TOOLS. INCLUDES INSTRUCTION IN COMMON SYSTEMS OF FRAMING, CONSTRUCTION MATERIALS, ESTIMATING, AND BLUEPRINT READING.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	D E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
860.261-010	CARPENTER INSPECTOR	4	2	3	7	M2346	B6	46.0403	6881	55B58	50142202	689
860.281-010	CARPENTER, MAINTENANCE	4	3	3	7	M2346	I456		6422	55A47	50020201	567
860.281-014	CARPENTER, SHIP	4	3	3	7	M2346	B56	49.0306	6422	55A47	50020201	567
860.381-010	ACOUSTICAL CARPENTER	4	3	2	7	M2346	I		6422	55S06	50024002	567
860.381-014	BOATBUILDER APPRENTICE, WOOD	4	4	4	7	M2346	B5	49.0306	6422	55A47	50020201	569
860.381-013	BOATBUILDER, WOOD	4	4	4	7	M2346	B5	49.0306	6422	55A47	50020201	567
860.381-022	CARPENTER	4	3	3	7	M2346	B56		6422	55A47	50020201	567
860.381-026	CARPENTER APPRENTICE	4	3	3	7	M2346	B56		6422	55A47	50020201	569
860.381-030	CARPENTER, BRIDGE	4	2	2	7	H23456	O		6422	55A47	50020201	567
860.381-034	CARPENTER, MOLD	4	3	3	7	M346	B		6422	55V10	50062209	567
860.381-038	CARPENTER, RAILCAR	4	3	3	7	M2346	B56		6422	51066	50082803	567
860.381-042	CARPENTER, ROUGH	4	4	2	7	H2346	B6	01.0205	6422	55A47	50020201	567
860.381-046	FORM BUILDER	4	3	2	7	H2346	O		6422	55A47	50020201	567
860.381-050	JOINER	4	3	3	7	M2346	I56	49.0306	6422	55A47	50020201	567
860.381-054	JOINER APPRENTICE	4	3	3	7	M2346	I56	49.0306	6422	55A47	50020201	569
860.381-058	SHIPWRIGHT	4	4	3	8	M2346	O56	49.0306	6422	55P17	50020204	567
860.381-062	SHIPWRIGHT APPRENTICE	4	4	3	8	M2346	O56	49.0306	6422	55P17	50020204	569
860.381-066	TANK BUILDER AND ERECTOR	4	3	3	7	M346	B6		6422	55A47	50020201	567
860.381-070	TANK ERECTOR	4	3	3	7	V2346	B6		6422	55A47	50020201	567
860.664-010	CARPENTER 1	3	2	2	4	M46	O		6422	55A47	50020201	567
860.664-014	JOINER HELPER	3	2	1	4	M346	B56	49.0306	8642	56003	80002823	865
860.664-018	SHIPWRIGHT HELPER	2	1	1	4	H234	O56	49.0306	8642	56900	80002823	865
860.681-010	CARPENTER 2	3	2	2	5	M346	I5		6422	55A47	50020201	567
860.684-010	BUILDER, BEAM	3	2	2	3	M346	I57		6422	55A47	50020201	567
860.684-014	SIDER	3	1	2	3	H346	I5		6422	55A47	50020201	567
863.684-010	COMPOSITION-WEATHERBOARD APPLIER	2	1	1	4	M234	O6	46.0407	6465	55A47	50020201	593
863.684-014	SIDER	3	2	2	4	M2346	O6	46.0407	6479	59002	63000000	599
869.281-014	HOUSE BUILDER	3	3	3	7	M2346	B6	47.0401	6479	59001	50144899	599
869.361-018	SIGN ERECTOR-AND-REPAIRER	3	2	2	6	M2346	B6		6422	55A47	50020201	567
869.381-010	HOUSE REPAIRER	4	3	3	7	M2346	B6		6422	55A47	50020201	567
869.381-014	LABORATORY-EQUIPMENT INSTALLER	3	3	3	7	V2346	I6		6869	59001	50144899	684
869.381-034	TIMBER FRAMER	3	2	2	6	H2346	I6		6422	55A47	50020201	567
869.481-010	AWNING MAKER-AND-INSTALLER	3	3	2	5	M246	B		6869	59002	63000000	684
869.484-010	AWNING HANGER	3	2	2	4	H246	O6		6479	59002	63000000	599
869.487-010	MEASURER	3	2	2	4	M46	B		6479	59002	63000000	599

*** PROGRAM: 46.0201 CARPENTRY. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES CODE	FOURTH EDITION TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	D E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
869.664-014	CONSTRUCTION WORKER 1	3	3	3	4	H2346	B567	01.0205	6479	55A68	50021202	599
								46.0102		55B22	50021805	
								46.0103		55B26	50023202	
								46.0401		55B28	50022000	
								46.0402		55B31	80000603	
								46.0404		55C23	80000609	
								46.0405		55C75	80000612	599
								46.0407		56013	80062823	
								46.0408		56016	80002823	
								46.0409				
								46.0410				
								46.0411				
								46.0502				
869.684-010	ASSEMBLER	3	2	2	4	M2346	I5		7720	55E22	61080440	785
869.684-018	ASSEMBLER, SUBASSEMBLY	3	2	2	3	M34	I5		6422	55E22	61080440	567
869.684-034	LAY-OUT WORKER	3	2	2	6	M46	I		6422	55A47	50020201	567
869.684-038	PANEL INSTALLER	2	1	1	2	M234	I5		6422	59003	80002899	567
869.684-042	ROOF ASSEMBLER 1	3	1	2	3	M4	I		6422	55A47	50020201	567
869.684-054	SIGN ERECTOR 2	3	2	2	3	H234	06	09.0201	6479	59002	63000000	599
869.684-058	STOPPING BUILDER	3	1	2	5	H346	I567		6422	55A30	61083604	567
869.684-062	STULL INSTALLER	2	1	1	2	M34	06		6422	59003	80002899	567
869.684-066	TRIMMER	2	1	1	2	M234	I5		6422	59003	80002899	567
869.687-010	AWNING-HANGER HELPER	2	1	1	3	H234	0		8648	59002	63000000	865
869.687-026	CONSTRUCTION WORKER 2	2	1	1	2	V234	056	01.0205	8710	55A97	80000606	869
								46.0102		55R67	80000629	
								46.0103		55C73	80000611	
								46.0401		56004	80002823	
								46.0402		56006	80002823	
								46.0404		56009	80002823	
								46.0405		56011	80002823	
								46.0407		56012	80002823	
								46.0408				
								46.0409				
								46.0410				
								46.0411				
								46.0502				
869.687-042	TIMBER-FRAMER HELPER	2	1	1	3	H346	I46		8642	59002	63000000	865
899.684-042	WINDOW REPAIRER	2	1	1	4	M346	I	46.0401	6179	51900	50083299	547
962.281-010	PROP MAKER	4	4	4	7	M46	B6		6422	55A47	50020201	567

PROGRAM: 46.0300 ELECTRICAL AND POWER TRANSMISSION INSTALLATION.
-- A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS TO INSTALL, OPERATE, MAINTAIN, AND REPAIR RESIDENTIAL, COMMERCIAL, AND INDUSTRIAL ELECTRICAL SYSTEMS, AND THE POWER LINES THAT TRANSMIT ELECTRICITY FROM ITS SOURCE OF GENERATION TO ITS PLACE OF CONSUMPTION.

PROGRAM: 46.0301 ELECTRICAL AND POWER TRANSMISSION INSTALLATION, GENERAL.
--- AN INSTRUCTIONAL PROGRAM THAT GENERALLY PREPARES INDIVIDUALS TO INSTALL, OPERATE, MAINTAIN, AND REPAIR RESIDENTIAL, COMMERCIAL, AND INDUSTRIAL ELECTRICAL SYSTEMS, AND THE POWER LINES THAT TRANSMIT ELECTRICITY FROM ITS SOURCE OF GENERATION TO ITS PLACE OF CONSUMPTION.

PROGRAM: 46.0302 ELECTRICIAN.
------------ AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO INSTALL, OPERATE, MAINTAIN AND REPAIR ELECTRICALLY-ENERGIZED SYSTEMS SUCH AS RESIDENTIAL, COMMERCIAL, AND INDUSTRIAL ELECTRIC-POWER WIRING, AND D.C. AND A.C. MOTORS, CONTROLS, AND ELECTRICAL-DISTRIBUTION PANELS. INCLUDES INSTRUCTION IN THE USE OF TEST EQUIPMENT.

DICTIONARY OF OCCUPATIONAL TITLES CODE	FOURTH EDITION TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
168.167-034	INSPECTOR, ELECTRICAL	5	4	4	7	L2356	B	15.0302 43.0201 46.0403	1472	10009	20040400	035
709.684-090	TUBE BENDER, HAND 1	3	1	1	4	L4	I		7755	59002	63000000	787
721.261-010	ELECTRIC-MOTOR ANALYST	4	3	2	7	L46	I	47.0107	6152	51020	50083204	533
729.684-038	REPAIRER, SWITCHGEAR	3	2	2	5	L46	I	47.0105	6152	51900	50083299	533
820.381-010	BATTERY MAINTAINER, LARGE EMERGENCY STOR	3	3	3	6	L46	I	47.0502 47.0503	6152	55B12	50021401	533
821.564-010	LABORATORY HELPER	2	2	2	3	M3456	B6		8635	56900	80002823	864
821.684-018	WIRER, STREET LIGHT	3	3	2	3	L34	O		7720	59002	63000000	785
822.261-010	ELECTRICIAN, OFFICE	4	3	3	7	L23456	I6	47.0103	6151	55B14	50121005	523
822.281-026	SIGNAL MAINTAINER	4	3	3	7	M2346	O		6151	55C86	50082802	523
822.361-018	PROTECTIVE-SIGNAL INSTALLER	4	3	2	7	M23456	I6		6432	51004	50083220	575
822.361-022	PROTECTIVE-SIGNAL REPAIRER	4	3	3	7	M23456	I6		6432	51004	50083220	575
822.664-010	PROTECTIVE-SIGNAL-INSTALLER HELPER	3	2	2	5	M23456	I		8643	56900	80002823	865
822.684-014	PROTECTIVE-SIGNAL-REPAIRER HELPER	3	2	2	6	M23456	I6		8643	56900	80002823	865
824.261-010	ELECTRICIAN	4	4	3	7	M2346	B6		6432	55B12	50021401	575
824.261-014	ELECTRICIAN APPRENTICE	4	4	3	7	M2346	B6		6432	55B12	50021401	576
824.281-010	AIRPORT ELECTRICIAN	4	4	3	7	M2346	B6		6432	55B12	50021401	575
824.281-014	ELECTRIC-DISTRIBUTION CHECKER	4	3	3	8	L234	B6		7820	55B12	50021401	796
824.281-018	NEON-SIGN SERVICER	4	2	2	7	M246	B6		6432	59001	50144899	575
824.381-010	STREET-LIGHT SERVICER	4	3	3	7	M24	O6		6432	55C94	50021402	575
824.664-010	STREET-LIGHT-SERVICER HELPER	3	3	2	4	M2345	O6		8635	56900	80002823	864
824.681-010	ELECTRICIAN	3	2	3	4	L346	I5		6432	55B12	50021401	575
825.281-014	ELECTRICIAN	4	3	3	7	L34	I6	47.0107	6152	55B12	50021401	533
825.281-026	ELECTRICIAN, LOCOMOTIVE	4	3	3	7	M346	B		6159	55B12	50021401	533
825.381-018	CONTROLLER REPAIRER-AND-TESTER	4	3	3	7	M4	B		6159	55B12	50021401	533
825.381-022	ELECTRICAL AND RADIO MOCK-UP MECHANIC	4	3	3	7	L46	I5		6867	55B12	50021401	683

*** PROGRAM: 46.0302 ELECTRICIAN. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES	FOURTH EDITION	GED			S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	D E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
CODE	TITLE	R	M	L								
825.381-030	ELECTRICIAN	4	3	3	8	M2346	I6	47.0105 49.0306 49.0308	6432	55B12	50021401	575
825.381-034	ELECTRICIAN APPRENTICE	4	3	3	8	M2346	I6	49.0306	6432	55B12	50021401	576
826.381-010	FABRICATOR, INDUSTRIAL FURNACE	3	3	3	6	H346	I6		6869	55E22	61080440	684
828.381-010	EQUIPMENT INSTALLER	4	3	3	7	M346	O6		6159	55B12	50021401	533
829.281-014	ELECTRICAL REPAIRER	4	4	3	7	M2346	I6	01.0202	6153	55B12	50021401	523
829.684-010	BATTERY INSPECTOR	3	3	3	4	L4	I		6152	55B58	50142202	533
829.684-022	ELECTRICIAN HELPER	3	2	2	3	M234	I6	01.0202	8643	56005	80002823	865
829.684-026	ELECTRICIAN HELPER	2	1	1	3	M234	I6		8643	56005	80002823	865
869.381-018	PIPE INSTALLER	3	2	3	7	H2346	B56		6450	59001	50144899	585

PROGRAM: 46.0303 LINEWORKER.

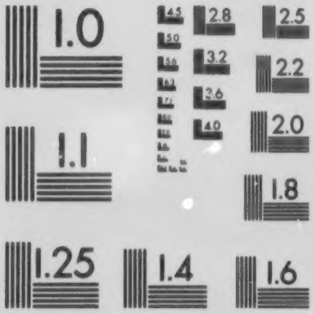
AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO INSTALL, OPERATE, AND MAINTAIN LOCAL, LONG-DISTANCE, AND RURAL LINES; ERECT AND CONSTRUCT POLE AND TOWER LINES; AND INSTALL UNDERGROUND LINES.

DICTIONARY OF OCCUPATIONAL TITLES CODE	FOURTH EDITION TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
000.000-000									6159	55A25	63000000	533
821.261-010	COMMUNITY-ANTENNA-TELEVISION LINE TECHNI	3	3	3	6	M2456	B56		6151	55A42	50121007	523
821.261-014	LINE MAINTAINER	4	4	3	7	M46	06		6433	55B73	50120202	577
821.261-018	RELAY TECHNICIAN	4	4	3	8	L246	B56	15.0302	6153	55B12	50021401	523
821.261-022	SERVICE RESTORER, EMERGENCY	4	2	3	7	H2346	06		6159	55B73	50120202	533
821.261-026	TROUBLE SHOOTER 2	4	4	3	8	M23456	06		6433	55D31	50120203	577
821.281-010	TELEVISION-CABLE INSTALLER	4	4	3	5	M246	06		6151	59002	63000000	523
821.361-010	CABLE INSTALLER-REPAIRER	4	4	3	8	M2346	06		6433	55A42 55A43	50121007 50120201	577
821.361-018	LINE ERECTOR	4	3	3	7	H23456	06		6433	55B73	50120202	577
821.361-022	LINE INSTALLER, STREET RAILWAY	4	4	3	7	M2346	06		6433	55B73	50120202	577
821.361-026	LINE REPAIRER	4	4	4	7	H23456	06		6433	55B73	50120202	577
821.361-030	LINE-ERECTOR APPRENTICE	4	3	3	7	H23456	06		6433	55B73	50120202	577
821.361-038	TOWER ERECTOR	4	3	2	7	H23456	06		6433	55B73	50120202	577
821.367-010	CONSTRUCTION CHECKER	4	4	3	6	M246	B6		7820	55B58	50142202	796
821.367-014	SAFETY INSPECTOR	4	3	3	8	L356	B	15.0608 15.0701	7820	55B58	50142202	796
821.381-014	VOLTAGE TESTER	4	4	3	7	M23456	B6		6881	55B12	50021401	689
821.667-010	HELPER, ELECTRICAL	2	2	2	3	H234	B		8643	56900	80002823	865
821.684-014	TOWER ERECTOR HELPER	3	2	2	5	V346	06		8643	55B49	80002899	865
821.687-010	STEEL-POST INSTALLER	2	2	2	3	M4	0		6433	59002	63000000	577
822.267-010	LINE INSPECTOR	4	3	3	7	L56	B		7820	55B58	50142202	796
822.361-010	CABLE TESTER	4	3	3	7	M2346	B67		6151	55A42	50121007	523
822.381-014	LINE INSTALLER-REPAIRER	4	3	3	7	H2346	I		6157	55B73	50120202	527
822.684-010	FRAME WIRER	3	3	3	4	M23456	B6		7720	55B35	50121009	785
822.684-018	SIGNAL MAINTAINER HELPER	2	2	2	3	H34	0		8635	56900	80002823	864
823.281-022	RIGGER	4	3	3	7	M2346	06		6151	59001	50144899	523
825.261-010	ELECTRIC-TRACK-SWITCH MAINTAINER	4	4	3	7	M2346	06		6151	55B10	50082801	523
825.381-038	THIRD-RAIL INSTALLER	3	2	2	5	M346	B6		6159	55B12	50021401	533
829.361-010	CABLE SPLICER	4	3	3	7	L2346	B6		6157	55A43	50120201	527
829.361-014	CABLE-SPLICER APPRENTICE	4	3	3	7	L2346	B6		6157	55A43	50120201	527
829.667-010	CABLE-SPLICER HELPER	2	2	2	3	M2346	B6		8635	56900	80002823	864
829.684-018	CABLE PULLER	2	1	1	4	H234	B		7720	59002	63000000	785
869.387-010	POLE INSPECTOR	3	2	2	5	M2456	06		7820	55B58	50142202	796
952.364-010	TROUBLE SHOOTER 1	3	2	2	5	L4	B		6153	55D31	50120203	523

PROGRAM: 46.0399 ELECTRICAL AND POWER TRANSMISSIONS INSTALLATION, OTHER.

ANY INSTRUCTIONAL PROGRAM IN ELECTRICAL AND POWER TRANSMISSION INSTALLATION NOT DESCRIBED ABOVE.

PG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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS
STANDARD REFERENCE MATERIAL 1010a
(ANSI and ISO TEST CHART No. 2)

PROGRAM: 46.0400 MISCELLANEOUS CONSTRUCTION TRADES. A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS FOR CONSTRUCTION TRADES OTHER THAN THOSE DESCRIBED UNDER THE OTHER GROUPINGS IN THE CONSTRUCTION TRADES CATEGORY.

PROGRAM: 46.0401 BUILDING MAINTENANCE. AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO KEEP A BUILDING FUNCTIONING; SERVICE A VARIETY OF STRUCTURES INCLUDING COMMERCIAL AND INDUSTRIAL BUILDINGS AND MOBILE HOMES. INCLUDES INSTRUCTION IN THE BASIC MAINTENANCE AND REPAIR SKILLS RELATED TO THE AIR CONDITIONING, HEATING, PLUMBING, ELECTRICAL, AND OTHER MECHANICAL SYSTEMS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
382.664-010	JANITOR	3	2	3	3	M345	B		5244	41900	70020600	453
869.384-010	REPAIRER, MANUFACTURED BUILDINGS	3	2	2	4	H346	I5		6179	55T35	50144825	547
869.664-014	CONSTRUCTION WORKER 1	3	3	3	4	H2346	B567	01.0205	6479	55A68	50021202	599
								46.0102		55B28	50022000	
								46.0103		55B22	50021805	
								46.0201		55B26	50023202	
								46.0402		55B31	80000603	
								46.0404		55C23	80000609	
								46.0405		55C75	80000612	599
								46.0407		56013	80062823	
								46.0408		56016	80002823	
								46.0409				
								46.0410				
								46.0411				
								46.0502				
869.687-026	CONSTRUCTION WORKER 2	2	1	1	2	V234	056	01.0205	8710	55A97	80000606	869
								46.0102		55B28	50022000	
								46.0103		55B22	50021805	
								46.0201		55B26	50023202	
								46.0402		55B31	80000603	
								46.0404		55C23	80000609	
								46.0405		55C75	80000612	599
								46.0407		56013	80062823	
								46.0408		56016	80002823	
								46.0409				
								46.0410				
								46.0411				
								46.0502				
899.131-018	UTILITIES-AND-MAINTENANCE SUPERVISOR	4	3	3	8	L456	I5		6311	55B29	50040003	558
899.281-014	MAINTENANCE REPAIRER, FACTORY OR MILL	4	4	3	7	H2346	B56		6130	55B86	50144821	518
899.381-010	MAINTENANCE REPAIRER, BUILDING	4	3	3	7	M2346	B5	01.0205	6179	55B86	50144821	547
899.484-010	MOBILE-HOME-LOT UTILITY WORKER	3	1	2	6	H46	B		7720	55T38	61000401	785
899.684-022	MAINTENANCE-REPAIRER HELPER, FACTORY OR	3	1	2	5	H2346	I56		8633	56900	80002823	864
899.684-042	WINDOW REPAIRER	2	1	1	4	M346	I	46.0201	6179	51900	50083299	547
899.687-014	LABORER, AIRPORT MAINTENANCE	2	1	1	2	M4	G[illegible]		8769	59003	80002899	889

PROGRAM: 46.0402 CONCRETE PLACING AND FINISHING.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO CONSTRUCT FORMS; CUT, ERECT, AND FASTEN STEEL REINFORCING BARS AND WIRE MESH; COMPACT CONCRETE BY HAND OR WITH PNEUMATIC VIBRATIONS; AND FINISH EXPOSED SURFACES DURING HARDENING AND AFTER FORMS HAVE BEEN REMOVED. INCLUDES INSTRUCTION IN THE USE OF CHEMICAL ADDITIVES AND HAND AND POWER CONCRETE-HANDLING EQUIPMENT.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
570.132-010	CONCRETE-BATCHING AND MIXING-PLANT SUPER	4	3	2	7	L45	B		7100	55B29	50040003	633
570.685-010	AUXILIARY-EQUIPMENT TENDER	2	2	1	3	M34	B5		7664	55S04	61083854	756
570.685-046	MILLER	2	2	1	3	M4	I57		7677	55S98	61083646	768
575.461-010	CONCRETE-STONE FABRICATOR	3	2	2	7	H34	I5		6861	55G64	61088040	675
575.565-010	LINING-MACHINE OPERATOR	2	1	1	2	L4	05		7679	55G63	61088814	777
575.665-010	CONCRETE-PIPE-MAKING-MACHINE OPERATOR	2	1	1	2	M4	I5		7663	55G63	61088814	755
575.665-018	SHOT-COAT TENDER	2	1	1	2	L4	I5		7669	59003	80002899	759
575.684-034	LAUNDRY-TUB MAKER	3	2	2	4	H34	I57		7754	59002	63000000	787
575.685-014	BLOCK-MAKING-MACHINE OPERATOR	2	1	1	3	M46	I5		7663	55E86	61088038	755
579.587-010	ROUND-UP-RING HAND	2	1	2	3	M4	05		7740	59002	63000000	785
579.664-014	INSPECTOR	3	2	3	4	L46	I		7820	55B58	50142202	796
579.665-014	LABORER, CONCRETE-MIXING PLANT	2	1	1	2	H234	05		8726	59003	80002899	883
579.682-010	MIXER, WET POUR	3	2	1	4	V234	I567		7664	55S04	61083854	756
579.684-010	CONCRETE-VAULT MAKER	2	1	1	2	H4	I5		7754	55S42	61088070	787
579.685-042	PRECAST MOLDER	2	1	2	3	H34	I4		7663	59002	63000000	755
801.684-026	REINFORCING-METAL WORKER	3	1	1	6	H2346	06		6473	55C52	80000610	597
844.364-010	CEMENT MASON	4	3	3	7	M2346	B46		6463	55A51	50021201	588
844.364-014	CEMENT-MASON APPRENTICE	4	3	3	7	M2346	B46		6463	55A51	50021201	588
844.461-010	CONCRETE-STONE FINISHER	4	3	3	7	M346	B4		6463	55G65	50021205	588
844.684-010	CONCRETE RUBBER	3	1	1	5	M46	B		6463	55A69	50021203	588
849.665-010	PUMP TENDER, CEMENT BASED MATERIALS	2	1	1	4	L34	05		6479	59002	63000000	599
859.683-022	REINFORCING-STEEL-MACHINE OPERATOR	3	1	1	4	L46	0		6466	55C52	80000610	594
869.361-010	CONDUIT MECHANIC	3	3	3	7	H2346	056		6479	55A72	50144899	599
869.664-010	CONCRETE-BUILDING ASSEMBLER	2	2	2	4	H23456	056		6479	59002	63000000	599
869.664-014	CONSTRUCTION WORKER 1	3	3	3	4	H2346	B567	01.0205	6479	55A68	50021202	599
								46.0102		55B31	80000603	
								46.0103		55B22	50021805	
								46.0201		55B26	50023202	
								46.0401		55B28	50022000	
								46.0404		55C23	80000609	
								46.0405		55C75	80000612	599
								46.0407		56013	80062823	
								46.0408		56016	80002823	
								46.0409				
								46.0410				
								46.0411				
								46.0502				
869.667-010	COLUMN PRECASTER	2	1	1	2	H34	I5		6479	59003	80002899	599
869.681-010	CONCRETE-FENCE BUILDER	3	2	2	6	H346	05		6479	59002	63000000	599
869.687-022	CONCRETE-FLOAT MAKER	2	1	1	2	M34	B		7720	59003	80002899	785

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*** PROGRAM: 46.0402 CONCRETE PLACING AND FINISHING. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
869.687-026	CONSTRUCTION WORKER 2	2 1 1	2	V234	056	01.0205	8710	55A97	80000606	869
						46.0102		55B31	80000603	
						46.0103		55B22	50021805	
						46.0201		55B26	50023202	
						46.0401		55B28	50022000	
						46.0404		55C23	80000609	
						46.0405		55C75	80000612	599
						46.0407		56013	80062823	
						46.0408		56016	80002823	
						46.0409				
						46.0410				
						46.0411				
						46.0502				

PROGRAM: 46.0403 CONSTRUCTION INSPECTION.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO INSPECT AND OVERSEE CONSTRUCTION OF BRIDGES, BUILDINGS, DAMS, HIGHWAYS, AND OTHER TYPES OF CONSTRUCTION WORK TO INSURE THAT PROCEDURES AND MATERIALS COMPLY WITH PLANS AND SPECIFICATIONS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
000.000-000							1472	55C26	50142208	035
168.167-030	INSPECTOR, BUILDING	5 4 4	7	L2356	B	15.0101	1472	10009	20040400	035
						43.0201				
168.167-034	INSPECTOR, ELECTRICAL	5 4 4	7	L2356	B	15.0302	1472	10009	20040400	035
						43.0201				
						46.0302				
168.167-038	INSPECTOR, ELEVATORS	5 4 5	8	L236	I6	15.0403	1472	10009	20040400	035
168.167-046	INSPECTOR, HEATING AND REFRIGERATION	5 4 4	7	L236	I	15.0501	1472	10009	20040400	035
						43.0201				
						47.0202				
						47.0203				
168.167-050	INSPECTOR, PLUMBING	5 4 4	7	L2356	B	15.0101	1472	10009	20040400	035
						46.0503				
168.267-010	BUILDING INSPECTOR	4 3 4	7	L26	B	15.0101	1472	25536	10243823	035
						15.0608				
						15.0701				
182.267-010	CONSTRUCTION INSPECTOR	4 4 3	6	L23456	B56	15.0101	1472	10009	20040400	035
850.387-010	INSPECTOR OF DREDGING	4 3 3	6	L6	O5	15.0201	1472	10009	20040400	035
859.267-010	STREET-OPENINGS INSPECTOR	4 3 3	8	L2456	B56		7820	55B58	50142202	796
860.261-010	CARPENTER INSPECTOR	4 2 3	7	M2346	B6	46.0201	6881	55B58	50142202	689
869.287-010	BRIDGE INSPECTOR	4 4 3	7	M2346	O		7820	55B58	50142202	796
869 367-018	PIPE-LINE-CONSTRUCTION INSPECTOR	4 3 3	8	L456	O5	48.0508	7820	55B58	50142202	796
869.687-038	INSPECTOR	3 2 3	6	L46	I5		7820	55B58	50142202	796

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PROGRAM: 46.0404 DRYWALL INSTALLATION.
--------------------- AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO INSTALL WALLBOARD, PLASTERBOARD, OR OTHER INTERIOR SURFACES IN STRUCTURES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
842.381-010	DRY-WALL APPLICATOR	4	4	3	7	V2346	I567		6424	55B05	61082001	573
842.664-010	TAPER	3	2	2	5	M2346	I567		6424	55D07	61082003	573
842.681-010	DRY-WALL APPLICATOR	3	2	2	6	M2346	I6		6424	55B05	61082001	573
842.684-010	DRY-WALL SPRAYER	3	2	1	4	M46	I5	46.0408	7756	59002	63000000	789
869.664-014	CONSTRUCTION WORKER 1	3	3	3	4	H2346	B567	01.0205	6479	55A68	50021202	599
								46.0103		55B22	50021805	
								46.0102		55C23	80000609	
								46.0201		55B26	50023202	
								46.0401		55B28	50022000	
								46.0402		55B31	80000603	
								46.0405		55C75	80000612	599
								46.0407		56013	80062823	
								46.0408		56016	80002823	
								46.0409				
								46.0410				
								46.0411				
								46.0502				
869.684-050	SHEETROCK APPLICATOR	2	1	1	3	M346	I		6424	55B05	61082001	573
869.687-026	CONSTRUCTION WORKER 2	2	1	1	2	V234	056	01.0205	8710	55A97	80000606	869
								46.0102		55C23	80000609	
								46.0201		55B26	50023202	
								46.0401		55B28	50022000	
								46.0402		55B31	80000603	
								46.0405		55C75	80000612	599
								46.0407		56013	80062823	
								46.0408		56016	80002823	
								46.0409				
								46.0410				
								46.0411				
								46.0502				

PROGRAM: 46.0405 FLOOR COVERING INSTALLATION.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO TEST AND REPAIR SUBFLOORS AND TO INSTALL RESILIENT TILE, SHEET GOODS, OR CARPETING. INCLUDES INSTRUCTION IN INSTALLING UNDERLAYMENTS; CUTTING, FITTING, AND GLUING LINING; TRACKING, STAPLING, OR TAPING PADDING; PLANNING, LAYING OUT, FITTING AND INSTALLING RESILIENT FLOORING BY GLUING OR LOOSE-LAY METHODS; INSTALLING COVER BASES, SELF COVING AND CARPET FASTENERS; TRIMMING AND SEAMING CARPET; AND INSTALLING STAIR TREADS, RISERS, AND COUNTERTOPS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
622.381-026	FLOOR-COVERING LAYER	4	3	3	7	M346	I5		6462	55S06	50024002	565
789.484-010	DIAGRAMMER AND SEAMER	4	4	3	5	M346	I		7753	55A44	50140600	786
864.381-010	CARPET LAYER	3	2	2	7	H346	I		6462	55A44	50140600	566
864.481-010	FLOOR LAYER	3	2	2	6	M346	I		6462	55S06	50024002	565
864.481-014	FLOOR-LAYER APPRENTICE	3	2	2	6	M346	I		6462	55S06	50024002	565
864.684-010	FLOOR AND WALL APPLIER, LIQUID	3	1	2	4	M346	I5		6479	59002	63000000	599
864.687-010	CARPET-LAYER HELPER	2	1	2	3	H34	I		8648	56900	80002823	865
869.664-014	CONSTRUCTION WORKER 1	3	3	3	4	H2346	B567	01.0205	6479	55A68	50021202	599
								46.0102		55C75	80000612	599
								46.0103		55B22	50021805	
								46.0201		55B26	50023202	
								46.0401		55B28	50022000	
								46.0402		55B31	80000603	
								46.0404		55C23	80000609	
								46.0407		56013	80062823	
								46.0408		56016	80002823	
								46.0409				
								46.0410				
								46.0411				
								46.0502				
869.687-026	CONSTRUCTION WORKER 2	2	1	1	2	V234	O56	01.0205	8710	55A97	80000606	869
								46.0102		55C75	80000612	599
								46.0103		55B22	50021805	
								46.0201		55B26	50023202	
								46.0401		55B28	50022000	
								46.0402		55B31	80000603	
								46.0404		55C23	80000609	
								46.0407		56013	80062823	
								46.0408		56016	80002823	
								46.0409				
								46.0410				
								46.0411				
								46.0502				
929.381-010	CARPET CUTTER	3	2	2	5	H346	I		7753	55A44	50140600	786

PROGRAM: 46.0406 GLAZING.

-------- AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO PREPARE, FIT, AND INSTALL GLASS IN STRUCTURAL OPENINGS SUCH AS WINDOWS, DOORS, AND PARTITIONS OR IN DISPLAY CASES AND TABLE TOPS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION		GED										
CODE	TITLE	R	M	L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
775.684-022	GLASS CUTTER	3	2	1	4	H46	I		7753	59002	63000000	786
775.684-026	GLASS FINISHER	3	2	2	5	L46	I		7753	59002	63000000	786
775.687-018	GLASS-CUTTER HELPER	2	1	2	3	H346	I5		8618	59002	63000000	873
779.381-010	GLAZIER, STAINED GLASS	4	3	3	7	M46	I		6862	55J40	61088011	676
779.684-022	GLASS CUTTER, OVAL OR CIRCULAR	2	1	2	3	M46	I		7753	55J35	61081426	786
865.381-010	GLAZIER	3	2	2	7	M2346	B56		6464	55B48	50141802	589
865.381-014	GLAZIER APPRENTICE	3	2	2	7	M2346	B56		6464	55B48	50141802	589
865.484-010	SAFETY-GLASS INSTALLER	3	2	3	6	L46	I6		7720	55B48	50141802	785
865.684-014	GLASS INSTALLER	2	1	2	3	M346	I56		7720	59002	63000000	785
865.684-018	GLAZIER, METAL FURNITURE	3	1	2	5	M46	I		7720	55B48	50141802	785
865.684-022	REFRIGERATOR GLAZIER	3	1	2	4	L4	I4		7720	55B48	50141802	785

PROGRAM: 46.0407 INSULATION INSTALLATION.

------------------------ AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO INSTALL BATT, BLANKET, BOARD, LOOSE FILL, AND OTHER FORMS OF INSULATION IN RESIDENTIAL, COMMERCIAL, AND INDUSTRIAL BUILDINGS IN ORDER TO HEAT AND COOL INTERIORS IN ENERGY-EFFICIENT WAYS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION		GED										
CODE	TITLE	R	M	L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
000.000-000									8648	56001	80002823	865
863.364-010	INSULATION-WORKER APPRENTICE	3	2	3	6	M2346	B567		6465	55A08	61080200	593
863.381-010	CORK INSULATOR, REFRIGERATION PLANT	3	2	2	7	L2346	I6		6465	55A08	61080200	593
863.381-014	PIPE COVERER AND INSULATOR	4	2	3	8	M34	I57		6465	55A08	61080200	593
863.664-010	BLOWER INSULATOR	2	1	1	5	M2346	B367		6465	55A08	61080200	593
863.684-010	COMPOSITION-WEATHERBOARD APPLIER	2	1	1	4	M234	O6	46.0201	6465	55A47	50020201	593
863.684-014	SIDER	3	2	2	4	M2346	O6	46.0201	6479	59002	63000000	599
863.685-010	INSULATION-POWER-UNIT TENDER	2	1	1	4	L34	O57		6465	55A08	61080200	593
869.664-014	CONSTRUCTION WORKER 1	3	3	3	4	H2346	B567	01.0205	6479	55A68	50021202	599
								46.0102		56013	80062823	
								46.0103		55B22	50021805	
								46.0201		55B26	50023202	
								46.0401		55B28	50022000	
								46.0402		55B31	80000603	
								46.0404		55C23	80000609	
								46.0405		55C75	80000612	599
								46.0408		56016	80002823	
								46.0409				
								46.0410				
								46.0411				
								46.0502				

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*** PROGRAM: 46.0407 INSULATION INSTALLATION. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
869.687-026	CONSTRUCTION WORKER 2	2	1	1	2	V234	056	01.0205	8710	55A97	80000606	869
								46.0102		56013	80062823	
								46.0103		55B22	50021805	
								46.0201		55B26	50023202	
								46.0401		55B28	50022000	
								46.0402		55B31	80000603	
								46.0404		55C23	80000609	
								46.0405		55C75	80000612	599
								46.0408		56016	80002823	
								46.0409				
								46.0410				
								46.0411				
								46.0502				

PROGRAM: 46.0408 PAINTING AND DECORATING.

------------------------AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO FINISH EXTERIOR AND INTERIOR SURFACES BY APPLYING PROTECTIVE OR DECORATIVE COATING MATERIALS, SUCH AS PAINT, LACQUER, AND WALLPAPER. INCLUDES INSTRUCTION IN SCRAPING, BURNING, OR SANDING SURFACES; MAKING, MIXING, AND MATCHING PAINT COLORS, APPLYING COATING WITH BRUSH, ROLLER, OR SPRAY GUN; AND CUTTING, PASTING, AND HANGING WALLPAPER.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
000.000-000									8544	56008	80002823	865
599.682-010	PAINTER, ELECTROSTATIC	3	2	3	4	L46	I7		7756	55R68	61084210	789
599.685-066	PAINT-LINE OPERATOR	2	1	2	3	M46	I		7669	55R68	61084210	759
599.685-070	PAINTER, TUMBLING BARREL	3	2	2	3	M46	I7		7669	55R68	61084210	759
599.685-074	PAINTING-MACHINE OPERATOR	2	1	2	3	M46	I7		7669	55R68	61084210	759
599.685-090	SPRAY-MACHINE TENDER	3	2	2	4	L246	I5		7543	55R68	61084210	723
599.685-102	TUBE COATER	2	1	1	2	L4	I7		7543	55R68	61084210	723
840.381-010	PAINTER	3	2	2	7	L2346	B6		6442	55C12	50022200	579
840.381-018	PAINTER, SHIPYARD	3	2	2	7	M2346	B67	49.0306	6442	55C12	50022200	579
840.681-010	PAINTER, STAGE SETTINGS	3	2	1	7	L2346	I6		6442	55C12	50022200	579
840.684-010	GLASS TINTER	2	1	2	5	M246	0		6442	55R68	61084210	579
840.687-010	PAINTER HELPER, SHIPYARD	2	2	1	3	M234	B567		8644	56006	80002823	865
841.381-010	PAPERHANGER	4	2	2	7	M2346	I6		6443	55C16	50022600	583
841.684-010	BILLPOSTER	2	1	1	2	L2346	06		6443	55A18	61089203	583
842.684-010	DRY-WALL SPRAYER	3	2	1	4	M46	I5	46.0404	7756	59002	63000000	789

*** PROGRAM: 46.0408 PAINTING AND DECORATING. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
869.664-014	CONSTRUCTION WORKER 1	3 3 3	4	H2346	B567	01.0205	6479	55A68	50021202	599
						46.0102		56016	80002823	
						46.0103		55B22	50021805	
						46.0201		55B26	50023202	
						46.0401		55B28	50022000	
						46.0402		55B31	80000603	
						46.0404		55C23	80000609	
						46.0405		55C75	80000612	599
						46.0407		56013	80062823	
						46.0409				
						46.0410				
						46.0411				
						46.0502				
869.687-026	CONSTRUCTION WORKER 2	2 1 1	2	V234	056	01.0205	8710	55A97	80000606	869
						46.0102		56016	80002823	
						46.0103		55B22	50021805	
						46.0201		55B26	50023202	
						46.0401		55B28	50022000	
						46.0402		55B31	80000603	
						46.0404		55C23	80000609	
						46.0405		55C75	80000612	599
						46.0407		56013	80062823	
						46.0409				
						46.0410				
						46.0411				
						46.0502				

PROGRAM: 46.0409 PLASTERING.

----------- AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO APPLY PLASTER, STUCCO, AND SIMILAR MATERIALS TO INTERIOR AND EXTERIOR SURFACES. INCLUDES INSTRUCTION IN LATHING AND IN SURFACE PREPARATION, SMOOTHING, AND FINISHING.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
842.361-010	LATHER	3 2 2	6	M2346	I6		6424	55B69	61082002	573
842.361-014	LATHER APPRENTICE	3 2 2	6	M2346	I6		6424	55B69	61082002	573
842.361-018	PLASTERER	4 2 3	7	M2346	B46		6444	55C28	50022801	584
842.361-022	PLASTERER APPRENTICE	4 2 3	7	M2346	B46		6444	55C28	50022801	584
842.361-026	PLASTERER, MOLDING	4 2 3	7	M2346	I67		6444	55C28	50022801	584
842.381-014	STUCCO MASON	4 3 3	7	M2346	B46		6444	55C97	50022802	584
842.665-010	PLASTER-MACHINE TENDER	2 1 1	4	L234	B456		6479	59002	63000000	599
844.687-010	CEMENT SPRAYER HELPER, NOZZLE	1 1 1	2	H234	B		8648	59003	80002899	865

*** PROGRAM: 46.0409 PLASTERING. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
869.664-014	CONSTRUCTION WORKER 1	3	3	3	4	H2346	B567	01.0205	6479	55A68	50021202	599
								46.0102				
								46.0103		55B22	50021805	
								46.0201		55B26	50023202	
								46.0401		55B28	50022000	
								46.0402		55B31	80000603	
								46.0404		55C23	80000609	
								46.0405		55C75	80000612	599
								46.0407		56013	80062823	
								46.0408		56016	80002823	
								46.0410				
								46.0411				
								46.0502				
869.687-026	CONSTRUCTION WORKER 2	2	1	1	2	V234	056	01.0205	8710	55A97	80000606	869
								46.0102				
								46.0103		55B22	50021805	
								46.0201		55B26	50023202	
								46.0401		55B28	50022000	
								46.0402		55B31	80000603	
								46.0404		55C23	80000609	
								46.0405		55C75	80000612	599
								46.0407		56013	80062823	
								46.0408		56016	80002823	
								46.0410				
								46.0411				
								46.0502				

PROGRAM: 46.0410 ROOFING.

-------- AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO COVER ROOFS AND EXTERIOR WALLS OF STRUCTURES WITH WATERPROOFING OR INSULATING MATERIALS, SUCH AS ASPHALT, ALUMINUM, SLATE, WOOD, AND RELATED COMPOSITION MATERIALS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
866.381-010	ROOFER	3	2	2	7	M2346	067		6468	55C58	50023600	595
866.381-014	ROOFER APPRENTICE	3	2	2	7	M2346	067		6468	55C58	50023600	595
866.684-010	ROOFER APPLICATOR	3	1	2	6	L2346	06		6468	55C58	50023600	595
869.664-014	CONSTRUCTION WORKER 1	3	3	3	4	H2346	B567	01.0205	6479	55A68	50021202	599
								46.0102				
								46.0103		55B22	50021805	
								46.0201		55B26	50023202	
								46.0401		55B28	50022000	
								46.0402		55B31	80000603	
								46.0404		55C23	80000609	
								46.0405		55C75	80000612	599
								46.0407		56013	80062823	

*** PROGRAM: 46.0410 ROOFING. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
869.664-010	CONSTRUCTION WORKER 1, CONTINUED.					46.0408		56016	80002823	
						46.0409				
						46.0411				
						46.0502				
869.687-026	CONSTRUCTION WORKER 2	2 1 1	2	V234	056	01.0205	8710	55A97	80000606	869
						46.0102				
						46.0103		55B22	50021805	
						46.0201		55B26	50023202	
						46.0401		55B28	50022000	
						46.0402		55B31	80000603	
						46.0404		55C23	80000609	
						46.0405		55C75	80000612	599
						46.0407		56013	80062823	
						46.0408		56016	80002823	
						46.0409				
						46.0411				
						46.0502				

PROGRAM: 46.0411 TERRAZZO INSTALLATION.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO APPLY CEMENT, SAND, PIGMENT, AND MARBLE CHIPS TO FLOORS AND STAIRWAYS TO ATTAIN A DURABLE AND DECORATIVE SURFACE; CUT METAL STRIPS TO DEVELOP DESIGNS, PATTERNS, OR LEVELS OF FINISH; AND GRIND AND POLISH SURFACES TO SPECIFICATIONS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
861.381-046	TERRAZZO WORKER	4 2 3	7	M346	B45		6463	55S79	50021206	588
861.381-050	TERRAZZO-WORKER APPRENTICE	4 2 3	7	M346	B45		6463	55S79	50021206	588
869.664-014	CONSTRUCTION WORKER 1	3 3 3	4	H2346	B567	01.0205	6479	55A68	50021202	599
						46.0102				
						46.0103		55B22	50021805	
						46.0201		55B26	50023202	
						46.0401		55B28	50022000	
						46.0402		55B31	80000603	
						46.0404		55C23	80000609	
						46.0405		55C75	80000612	599
						46.0407		56013	80062823	
						46.0408		56016	80002823	
						46.0409				
						46.0410				
						46.0502				

*** PROGRAM: 46.0411 TERRAZZO INSTALLATION. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
869.687-026	CONSTRUCTION WORKER 2	2 1 1	2	V234	056	01.0205	8710	55A97	80000606	869
						46.0102				
						46.0103		55B22	50021805	
						46.0201		55B26	50023202	
						46.0401		55B28	50022000	
						46.0402		55B31	80000603	
						46.0404		55C23	80000609	
						46.0405		55C75	80000612	599
						46.0407		56013	80062823	
						46.0408		56016	80002823	
						46.0409				
						46.0410				
						46.0502				

PROGRAM: 46.0499 MISCELLANEOUS CONSTRUCTION TRADES, OTHER. ANY INSTRUCTIONAL PROGRAM IN MISCELLANEOUS CONSTRUCTION TRADES NOT DESCRIBED ABOVE.

PROGRAM: 46.0500 PLUMBING, PIPEFITTING, AND STEAMFITTING. A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS TO LAY OUT, ASSEMBLE, INSTALL, AND MAINTAIN PIPING, FIXTURES, AND PIPING SYSTEMS FOR STEAM, HOT WATER, HEATING, COOLING, DRAINAGE, LUBRICATING, SPRINKLING, AND INDUSTRIAL PROCESSING SYSTEMS. INCLUDES INSTRUCTION IN MATERIAL SELECTION AND USE OF TOOLS TO CUT, BEND, JOIN, AND WELD PIPES.

PROGRAM: 46.0501 PLUMBING, PIPEFITTING, AND STEAMFITTING, GENERAL. AN INSTRUCTIONAL PROGRAM THAT GENERALLY PREPARES INDIVIDUALS TO LAY OUT, ASSEMBLE, INSTALL, AND MAINTAIN PIPING, FIXTURES, AND PIPING SYSTEMS FOR STEAM, HOT WATER, HEATING, COOLING, DRAINAGE, LUBRICATING, SPRINKLING, AND INDUSTRIAL PROCESSING SYSTEMS. INCLUDES INSTRUCTION IN MATERIAL SELECTION AND USE OF TOOLS TO CUT, BEND, JOIN, AND WELD PIPES.

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PROGRAM: 46.0502 PIPEFITTING AND STEAMFITTING.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO LAY OUT, FABRICATE, ASSEMBLE, INSTALL, AND MAINTAIN PIPING AND PIPING SYSTEMS, FIXTURES, AND EQUIPMENT FOR STEAM, HOT WATER, HEATING, COOLING, LUBRICATING, SPRINKLING, AND INDUSTRIAL PROCESSING SYSTEMS ON THE BASIS OF KNOWLEDGE OF SYSTEM OPERATION AND THE STUDY OF BUILDING PLANS OR WORKING DRAWINGS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
862.261-010	PIPE FITTER	4	4	3	7	H2346	I56		6450	55C30	50023203	585
862.361-018	PIPE FITTER, DIESEL ENGINE 1	4	3	3	7	M346	I6		6450	55C30	50023203	585
862.361-022	STEAM SERVICE INSPECTOR	4	3	3	7	H234	B45		6450	55B12	50021401	585
862.381-014	INDUSTRIAL-GAS FITTER	3	2	2	7	H346	I		6450	55C30	50023203	585
862.381-018	PIPE FITTER	4	3	3	8	H2346	B56		6450	55K20	50023204	585
862.381-022	PIPE FITTER, DIESEL ENGINE 2	4	2	3	7	H2346	I		6450	55C30	50023203	585
862.381-026	PIPE-FITTER APPRENTICE	4	3	3	8	H2346	B56		6450	55C30	50023203	587
862.381-038	THREAD INSPECTOR	4	3	3	6	L46	B6		6881	55B58	50142202	689
862.682-010	PIPE CUTTER	4	2	3	4	M46	I5		6450	55C30	50023203	585
862.684-014	LABORER, CONSTRUCTION OR LEAK GANG	2	1	1	4	H34	B5	46.0503	8710	59002	63000000	869
862.684-018	PIPE-FITTER HELPER	3	1	2	5	H234	I6		8645	56010	80002823	865
862.684-022	PIPE-FITTER HELPER	2	1	2	3	H2346	B5		8645	56010	80002823	865
862.687-010	COOLING-PIPE INSPECTOR	3	1	2	5	L2346	O45	46.0503	7820	55B58	50142202	796
862.687-018	HYDRO-PNEUMATIC TESTER	3	2	2	4	L46	B5		7830	55Q57	50142205	797
869.664-014	CONSTRUCTION WORKER 1	3	3	3	4	H2346	B567	01.0205	6479	55A68	50021202	599
								46.0102				
								46.0103		55B22	50021805	
								46.0201		55B26	50023202	
								46.0401		55B28	50022000	
								46.0402		55B31	80000603	
								46.0404		55C23	80000609	
								46.0405		55C75	80000612	599
								46.0407		56013	80062823	
								46.0408		56016	80002823	
								46.0409				
								46.0410				
								46.0411				
869.687-026	CONSTRUCTION WORKER 2	2	1	1	2	V234	O56	01.0205	8710	55A97	80000606	869
								46.0102				
								46.0103		55B22	50021805	
								46.0201		55B26	50023202	
								46.0401		55B28	50022000	
								46.0402		55B31	80000603	
								46.0404		55C23	80000609	
								46.0405		55C75	80000612	599
								46.0407		56013	80062823	
								46.0408		56016	80002823	
								46.0409				
								46.0410				
								46.0411				
891.564-010	PIPE CHANGER	2	1	2	3	H34	B5		6140	59002	63000000	519
899.664-014	SEWER-PIPE CLEANER	3	1	2	3	M346	B47	46.0503	6479	55D96	80002832	599

PROGRAM: 46.0503 PLUMBING. AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ASSEMBLE, INSTALL, AND REPAIR PIPES, FITTINGS, AND FIXTURES OF HEATING, WATER, AND DRAINAGE SYSTEMS, ACCORDING TO SPECIFICATIONS AND PLUMBING CODES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
168.167-050	INSPECTOR, PLUMBING	5	4	4	7	L2356	B	15.0101 46.0403	1472	10009	20040400	035
862.281-010	COPPERSMITH	4	2	3	8	M346	I567		6450	55C30	50023203	585
862.281-014	COPPERSMITH APPRENTICE	4	2	3	8	M346	I567		6450	55C30	50023203	587
862.361-014	GAS-MAIN FITTER	4	2	3	7	M34	0567		6450	55C30	50023203	585
862.381-030	PLUMBER	4	3	3	7	H2346	B6		6450	55C30	50023203	585
862.381-034	PLUMBER APPRENTICE	4	3	3	7	H2346	B6		6450	55C30	50023203	587
862.681-010	PLUMBER	3	2	2	6	M346	I5		6450	55C30	50023203	585
862.684-010	JUNCTION MAKER	2	1	2	5	M346	I		7759	59002	63000000	795
862.684-014	LABORER, CONSTRUCTION OR LEAK GANG	2	1	1	4	H34	B5	46.0502	8710	59002	63000000	869
862.684-026	PLUMBING ASSEMBLER-INSTALLER	3	1	2	4	M346	I5		7720	55C30	50023203	785
862.687-010	COOLING-PIPE INSPECTOR	3	1	2	5	L2346	045	46.0502	7820	55B58	50142202	796
869.684-030	LAWN-SPRINKLER INSTALLER	3	2	2	5	M4	04	01.0206 01.0605	6479	59002	63000000	599
899.664-014	SEWER-PIPE CLEANER	3	1	2	3	M346	B47	46.0502	6479	55D96	80002832	599
953.364-010	GAS-METER INSTALLER	3	2	3	6	M34	B		6450	51030	50082004	585
953.367-010	GAS-LEAK INSPECTOR	3	2	2	5	L46	B	47.0504	7820	55B58	50142202	796
953.667-010	GAS-LEAK INSPECTOR HELPER	3	3	3	4	M346	B	47.0504	8620	59002	63000000	873
953.687-010	GAS-METER-INSTALLER HELPER	2	1	2	2	M34	B		8645	56900	80002823	865
954.564-010	WATER-METER INSTALLER	3	2	2	4	M346	B4		6450	51078	50082009	585

PROGRAM: 46.0599 PLUMBING, PIPEFITTING, AND STEAMFITTING, OTHER. ANY INSTRUCTIONAL PROGRAM IN PLUMBING, PIPEFITTING, AND STEAMFITTING NOT DESCRIBED ABOVE.

PROGRAM: 46.9900 CONSTRUCTION TRADES, OTHER. A GROUP OF INSTRUCTIONAL PROGRAMS IN CONSTRUCTION TRADES NOT DESCRIBED ABOVE.

PROGRAM: 46.9999 CONSTRUCTION TRADES, OTHER. ANY INSTRUCTIONAL PROGRAM IN CONSTRUCTION TRADES NOT DESCRIBED ABOVE.

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PROGRAM: 47.0000 MECHANICS AND REPAIRERS.

A SUMMARY OF GROUPS OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS IN THE ADJUSTMENT, MAINTENANCE, PART REPLACEMENT, AND REPAIR OF TOOLS, EQUIPMENT, AND MACHINES.

PROGRAM: 47.0100 ELECTRICAL AND ELECTRONICS EQUIPMENT REPAIR.

A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS TO OPERATE, MAINTAIN, AND REPAIR BUSINESS MACHINES, COMMUNICATIONS EQUIPMENT, MAJOR AND SMALL APPLIANCES, COMMERCIAL VENDING MACHINES, AND RELATED EQUIPMENT. INCLUDES INSTRUCTION IN ELECTRICAL CIRCUITRY, SIMPLE GEARING, LINKAGES AND LUBRICATION OF MACHINES AND APPLIANCES AND THE USE OF TESTING EQUIPMENT.

PROGRAM: 47.0101 ELECTRICAL AND ELECTRONICS EQUIPMENT REPAIR, GENERAL.

AN INSTRUCTIONAL PROGRAM THAT GENERALLY PREPARES INDIVIDUALS TO OPERATE, MAINTAIN, AND REPAIR BUSINESS MACHINES, COMMUNICATIONS EQUIPMENT, MAJOR AND SMALL APPLIANCES, COMMERCIAL VENDING MACHINES, AND RELATED EQUIPMENT. INCLUDES INSTRUCTION IN ELECTRICAL CIRCUITRY, SIMPLE GEARING, LINKAGES AND LUBRICATION OF MACHINES AND APPLIANCES, AND USE OF TESTING EQUIPMENT.

PROGRAM: 47.0102 BUSINESS MACHINE REPAIR.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO MAINTAIN AND REPAIR A VARIETY OF OFFICE MACHINES, SUCH AS TYPEWRITERS, DICTATION MACHINES, CALCULATORS, DATA-PROCESSING EQUIPMENT, DUPLICATING MACHINES AND MAILING MACHINES. INCLUDES INSTRUCTION IN DIAGNOSTIC TECHNIQUES, THE USE OF TESTING EQUIPMENT, AND THE PRINCIPLES OF MECHANICS, ELECTRICITY, AND ELECTRONICS AS THEY RELATE TO THE REPAIR OF BUSINESS MACHINES.

DICTIONARY OF OCCUPATIONAL TITLES CODE	FOURTH EDITION TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
633.261-010	ASSEMBLY TECHNICIAN	4	3	3	6	L46	I	47.0104	6154	51079	50081400	525
633.261-014	MAIL-PROCESSING-EQUIPMENT MECHANIC	4	3	3	6	M46	I		6174	51046	50082400	538
633.281-010	CASH-REGISTER SERVICER	4	3	3	7	M4	I		6174	51046	50082400	538
633.281-014	DICTATING-TRANSCRIBING-MACHINE SERVICER	4	3	3	7	L456	I		6174	51046	50082400	538
633.281-018	OFFICE-MACHINE SERVICER	4	3	3	7	L456	I		6174	51046	50082400	538
633.281-022	OFFICE-MACHINE-SERVICER APPRENTICE	4	3	3	7	L456	I		6174	51046	50082400	538
633.281-030	STATISTICAL-MACHINE SERVICER	4	3	3	7	L456	I		6174	51046	50082400	538
692.662-022	WIRE-WRAPPING-MACHINE OPERATOR	3	2	3	4	L46	I		7679	59002	63000000	777
706.381-010	ALINER, TYPEWRITER	3	2	2	4	L46	I		6174	51046	50082400	538
706.381-018	FINAL ASSEMBLER	3	2	3	6	M46	I		6812	55E22	61080440	636
706.381-022	INSPECTOR, TYPEWRITER ASSEMBLY AND PARTS	3	3	3	6	M46	I5		6881	55B58	50142202	689
706.381-030	REPAIRER, TYPEWRITER	3	2	3	6	M46	I		6174	51046	50082400	538
706.382-010	FUNCTIONAL TESTER, TYPEWRITERS	3	2	2	4	L456	I		7830	55Q57	50142205	797
706.387-010	INSPECTOR, AUTOMATIC TYPEWRITER	3	2	2	4	M456	I		7820	55B58	50142202	796
706.387-014	MACHINE TESTER	3	2	2	4	L46	I		7830	55Q57	50142205	797
706.587-010	CLEANER-TOUCH-UP WORKER	2	1	2	3	L46	I		8769	59002	63000000	889
706.587-014	SORTER	2	2	2	3	L46	I		7850	59002	63000000	799
706.684-014	ASSEMBLER	3	2	2	5	M46	I		7720	55E22	61080440	785
706.684-026	ASSEMBLER, TYPE-BAR-AND-SEGMENT	3	2	2	3	L46	I		7720	55E22	61080440	785
706.684-094	SUBASSEMBLER	3	2	3	4	L46	I		7720	55E22	61080440	785

***** PROGRAM: 47.0102 BUSINESS MACHINE REPAIR.** CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
706.685-010	TYPE-SOLDERING-MACHINE TENDER	2	1	2	3	L46	I5		7533	55D46	61022002	784
706.687-022	INSPECTOR, ALINING	3	2	2	4	L46	I		7820	55B58	50142202	796
706.687-026	INSPECTOR, TYPE	2	1	2	3	L	I		7820	55B58	50142202	796
729.281-042	WIRER	3	3	2	6	L46	I	47.0104	6154	55R74	61080415	525
729.684-062	WIRER, SUBASSEMBLIES	3	2	1	4	L46	I	47.0104	7720	55R74	61080415	785

PROGRAM: 47.0103 COMMUNICATIONS ELECTRONICS.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ASSEMBLE, INSTALL, OPERATE, MAINTAIN, AND REPAIR ONE- AND TWO-WAY COMMUNICATIONS EQUIPMENT AND SYSTEMS, INCLUDING AM AND FM RADIO, TELEVISION, HEARING AIDS, AND OTHER ELECTRONIC COMMUNICATION DEVICES OR SYSTEMS. INCLUDES INSTRUCTION IN USING ACTUAL EQUIPMENT OR EDUCATIONAL TRAINERS, IN VARIOUS TYPES OF EQUIPMENT, MOTORS, MECHANICAL DEVICES, POWER SUPPLIERS, AMPLIFIERS, AND DIGITAL CIRCUITRY; THE USE OF TESTING EQUIPMENT; AND FEDERAL COMMUNICATIONS COMMISSION (FCC) LICENSING REQUIREMENTS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
193.362-010	PHOTORADIO OPERATOR	4	4	4	6	S46	I		3930	34027	10141000	228
193.362-014	RADIO-INTELLIGENCE OPERATOR	4	3	4	6	S45	I		3930	34027	10141000	228
193.382-010	ELECTRONIC INTELLIGENCE OPERATIONS SPECI	4	3	4	7	S45	I		3930	00000		228
629.281-022	ELECTRONIC-PRODUCTION-LINE-MAINTENANCE M	4	4	3	8	M3456	I6	47.0105 47.0303	6130	51077	50083299	518
719.381-014	HEARING-AID REPAIRER	4	3	3	6	L456	I		6171	51900	50083299	535
720.281-010	RADIO REPAIRER	4	2	2	6	L346	I		6155	51055	50082600	523
720.281-014	TAPE-RECORDER REPAIRER	4	3	2	7	M456	I	47.0405	6155	51055	50082600	523
720.281-018	TELEVISION-AND-RADIO REPAIRER	4	3	2	7	M456	I		6155	51055	50082600	523
720.684-010	ASSEMBLY ADJUSTER	2	2	1	3	L4	I		7830	55Q57	50142205	797
720.684-014	PHONOGRAPH-CARTRIDGE ASSEMBLER	2	2	2	5	L46	I		7720	55E22	61080440	785
720.687-010	RECORD-CHANGER ASSEMBLER	2	1	1	2	L4	I		7720	55E22	61080440	785
720.687-014	RECORD-CHANGER TESTER	2	1	1	2	L4	I4		7830	55Q57	50142205	797
722.281-010	INSTRUMENT REPAIRER	4	3	3	7	M46	I		6151	55C99	50121013	523
722.381-010	ASSEMBLER	4	3	3	7	L346	I6		6867	55E22	61080440	683
725.381-010	TUBE REBUILDER	4	3	4	6	L46	I	47.0105	6869	59002	63000000	684
725.684-022	TUBE ASSEMBLER, CATHODE RAY	2	1	1	3	M46	I	47.0105	7720	55E22	61080440	785
726.261-010	ELECTRONICS ASSEMBLER, DEVELOPMENTAL	4	4	4	7	L456	I	15.0303 15.0402 47.0104 47.0105	3990	39000	10141404	235
726.281-014	ELECTRONICS TESTER 1	4	4	3	7	L346	I	15.0303 47.0104 47.0105	6881	55Q57	50142205	689
726.361-010	ELECTRONICS UTILITY WORKER	3	3	2	6	L46	I	47.0104 47.0105	6867	59002	63000000	683
726.381-010	ELECTRONICS INSPECTOR 1	4	4	4	6	L46	I	47.0104 47.0105	6881	55B58	50142202	689

*** PROGRAM: 47.0103 COMMUNICATIONS ELECTRONICS. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION		GED			S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
CODE	TITLE	R	M	L								
726.381-014	PRODUCTION REPAIRER	3	2	2	6	L46	I		6151	51051 51077	50082600 50083299	523
726.684-018	ELECTRONICS ASSEMBLER	3	1	2	3	L46	I	47.0104 47.0105	7720	55E22	61080440	785
726.684-022	ELECTRONICS INSPECTOR 2	3	2	2	3	L46	I	47.0104 47.0105	7820	55B58	50142202	796
726.687-010	ELECTRONICS WORKER	2	1	2	2	L4	I	47.0105	7740	59003	80002899	785
729.281-010	AUDIO-VIDEO REPAIRER	4	3	3	6	L46	I	47.0405	6151	51900	50083299	523
729.381-022	WIRER, CABLE	3	2	2	6	M46	I		6151	55R74	61080415	523
822.261-010	ELECTRICIAN, OFFICE	4	3	3	7	L23456	I6	46.0302	6151	55B14	50121005	523
822.261-014	EQUIPMENT INSPECTOR	4	4	3	8	L45	I	15.0302	6881	55B58	50142202	689
822.261-022	STATION INSTALLER-AND-REPAIRER	4	4	3	7	L2346	B		6158	55B60 55C89	50121002 50121003	529
822.261-026	TESTING-AND-REGULATING TECHNICIAN	4	3	3	7	L4	I	15.0302	6881	55A14	50121006	689
822.281-010	AUTOMATIC-EQUIPMENT TECHNICIAN	4	4	3	7	M2346	I5	15.0403	6151	55D11	50121004	523
822.281-014	CENTRAL-OFFICE REPAIRER	4	3	3	7	L23456	I		6151	55A55	50121010	523
822.281-018	MAINTENANCE MECHANIC, TELEPHONE	4	4	3	7	L346	I		6158	55B60	50121002	529
822.281-022	PRIVATE-BRANCH-EXCHANGE REPAIRER	4	2	3	7	M346	I		6151	55B60	50121002	523
822.281-034	TECHNICIAN, SUBMARINE CABLE EQUIPMENT	4	4	3	7	M46	I		6151	55B14	50121005	523
822.361-014	CENTRAL-OFFICE INSTALLER	4	3	3	7	M2346	I6		6151	55B60	50121002	523
822.361-026	TRANSMISSION TESTER	4	3	3	7	L46	I		6151	55D18	50121011	523
822.361-030	TROUBLE LOCATOR, TEST DESK	4	2	3	6	S45	I		6881	55D18	50121011	689
822.381-010	EQUIPMENT INSTALLER	4	3	3	7	M2346	I		6151	55D15	50121014	523
822.381-018	PRIVATE-BRANCH-EXCHANGE INSTALLER	4	3	3	7	H346	I		6151	55B60	50121002	523
822.381-022	TELEGRAPH-PLANT MAINTAINER	4	3	3	7	M2346	I5		6151	55D12	50121012	523
823.261-014	RADIO INTERFERENCE INVESTIGATOR	4	4	3	7	L456	B		6153	55D31	50120203	523
823.261-018	RADIO MECHANIC	4	3	3	7	L46	I		6151	51051	50082600	523
823.281-014	ELECTRICIAN, RADIO	4	4	3	7	L3456	I6		6151	51051	50082600	523
823.361-010	TELEVISION INSTALLER	3	3	3	6	M2346	B6		6155	51055	50082600	523
823.684-010	ANTENNA INSTALLER	3	2	2	4	M234	O6		6479	59002	63000000	599
828.251-010	ELECTRONIC-SALES-AND-SERVICE TECHNICIAN	4	3	3	7	M46	I	15.0303 15.0402 47.0104 47.0105	6153	32004	10080803	523
828.261-014	FIELD ENGINEER	4	4	4	7	L45	B	15.0303 15.0402 47.0104	6153	51079	50081400	523
828.281-010	ELECTRONICS MECHANIC	4	4	4	7	L456	I	15.0303 15.0402 47.0104 47.0105	6153	51079	50081400	523
828.281-014	ELECTRONICS-MECHANIC APPRENTICE	4	4	4	7	L456	I	15.0402 47.0104 47.0105	6153	51079	50081400	523
829.281-022	SOUND TECHNICIAN	4	3	3	6	H4	I		6151	51900	50083299	523
959.367-014	FACILITY EXAMINER	3	2	3	6	L24	O		6151	59002	63000000	523

PROGRAM: 47.0104 COMPUTER ELECTRONICS.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ASSEMBLE, INSTALL, OPERATE, MAINTAIN, AND REPAIR COMPUTERS AND DIGITAL-CONTROL INSTRUMENTS. INCLUDES INSTRUCTION IN POWER SUPPLIES, NUMBER SYSTEMS, GATING LOGIC, A-TO-D AND D-TO-A COUNTERS, DISPLAYS, TIMING CIRCUITRY, MEMORY STRUCTURE, ADDRESS MODES, BUFFERS AND REGISTERS, MICROPROCESSOR DESIGN, PERIPHERAL EQUIPMENT, PROGRAMMING, AND INTERFACING, INCLUDING THE USE OF TESTING EQUIPMENT AND VARIOUS COMPUTER ELECTRONIC APPLICATIONS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
633.261-010	ASSEMBLY TECHNICIAN	4	3	3	6	L46	I	47.0102	6154	51079	50081400	525
726.261-010	ELECTRONICS ASSEMBLER, DEVELOPMENTAL	4	4	4	7	L456	I	15.0303 15.0402 47.0103 47.0105	3990	39000	10141404	235
726.281-014	ELECTRONICS TESTER 1	4	4	3	7	L346	I	15.0303 47.0103 47.0105	6881	55Q57	50142205	689
726.361-010	ELECTRONICS UTILITY WORKER	3	3	2	6	L46	I	47.0103 47.0105	6867	59002	63000000	683
726.381-010	ELECTRONICS INSPECTOR 1	4	4	4	6	L46	I	47.0103 47.0105	6881	55B58	50142202	689
726.684-018	ELECTRONICS ASSEMBLER	3	1	2	3	L46	I	47.0103 47.0105	7720	55E22	61080440	785
726.684-022	ELECTRONICS INSPECTOR 2	3	2	2	3	L46	I	47.0103 47.0105	7820	55B58	50142202	796
726.684-026	ELECTRONICS TESTER 2	3	3	3	3	L46	I		7830	55Q57	50142205	797
729.281-042	WIRER	3	3	2	6	L46	I	47.0102	6154	55R74	61080415	525
729.684-062	WIRER, SUBASSEMBLIES	3	2	1	4	L46	I	47.0102	7720	55R74	61080415	785
828.251-010	ELECTRONIC-SALES-AND-SERVICE TECHNICIAN	4	3	3	7	M46	I	15.0303 15.0402 47.0103 47.0105	6153	32004	10080803	523
828.261-014	FIELD ENGINEER	4	4	4	7	L45	B	15.0303 15.0402 47.0103	6153	51079	50081400	523
828.281-010	ELECTRONICS MECHANIC	4	4	4	7	L456	I	15.0303 15.0402 47.0103 47.0105	6153	51079	50081400	523
828.281-014	ELECTRONICS-MECHANIC APPRENTICE	4	4	4	7	L456	I	15.0402 47.0103 47.0105	6153	51079	50081400	523

PROGRAM: 47.0105 INDUSTRIAL ELECTRONICS.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ASSEMBLE, INSTALL, OPERATE, MAINTAIN, AND REPAIR ELECTRICAL/ELECTRONIC EQUIPMENT USED IN INDUSTRY AND MANUFACTURING. INCLUDES INSTRUCTION IN USING ACTUAL EQUIPMENT, IN VARIOUS TYPES OF EQUIPMENT SUCH AS POWER SUPPLIES, AMPLIFIERS, MOTORS, CONTROLS, DIGITAL AND COMPUTER CIRCUITRY, SYNCHRO AND SERVOMECHANISMS, MECHANICAL-POWER-TRANSFER SYSTEMS, HYDRAULIC SYSTEMS, AND THREE-PHASE A.C., ELECTRONIC WAVE-SHAPING, AND CONTROL CIRCUITRY.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
590.682-014	IMPREGNATOR	3	2	2	4	M4	I		7669	55R75	61088288	759
590.684-010	CERAMIC CAPACITOR PROCESSOR	2	2	2	3	L46	I		7679	59002	63000000	777
590.684-014	ELECTRONIC-COMPONENT PROCESSOR	2	2	2	3	L46	I		7679	59002	63000000	777
590.684-018	ETCHED-CIRCUIT PROCESSOR	3	3	3	4	L46	I7		7757	55I35	50100803	793
590.684-022	SEMICONDUCTOR PROCESSOR	2	2	2	3	L46	I		7679	59002	63000000	777
590.685-030	ETCHER, PRINTED CIRCUITS	2	2	2	2	M4	I6		7549	55I35	50100803	725
599.462-010	IMPREGNATOR AND DRIER	3	2	3	5	M3456	I367		7675	59002	63000000	766
629.281-022	ELECTRONIC-PRODUCTION-LINE-MAINTENANCE M	4	4	3	8	M3456	I6	47.0103 47.0303	6130	51077	50083299	518
692.360-018	FIRESETTER	4	3	3	6	M46	I56		7479	59002	63000000	777
692.482-010	CARBON-AND-GRAPHITE-BRUSH-MACHINE OPERAT	3	3	3	4	L46	I	47.0107	7479	59001	50144899	777
706.687-030	PUSH-CONNECTOR ASSEMBLER	2	1	1	2	L4	I	47.0108	7720	55E22	61080440	785
709.687-050	TUBE BENDER, HAND 2	2	1	1	2	L4	I		7740	59003	80002899	785
714.381-010	ASSEMBLER, PHOTOGRAPHIC EQUIPMENT	4	3	3	7	M46	I	47.0405	6869	55E22	61080440	684
721.261-014	FINAL TESTER	4	3	3	7	M456	I56	47.0107	6881	55Q57	50142205	689
721.281-030	TESTER, MOTORS AND CONTROLS	4	3	3	6	M46	I	47.0107	6881	55Q57	50142205	689
721.361-010	INSPECTOR, MOTORS AND GENERATORS	4	3	3	7	M456	I	47.0107	6881	55B58	50142202	689
721.484-010	ELECTRIC-MOTOR WINDER	3	2	2	6	M46	I	47.0107	7720	55E22	61080440	785
721.484-014	FIELD-RING ASSEMBLER	3	2	2	6	M46	I	47.0107	7720	55E22	61080440	785
721.484-018	INSULATION CUTTER AND FORMER	3	2	2	3	L346	I	47.0107	7678	59002	63000000	769
721.484-022	SKEIN WINDER	3	2	2	5	L46	I	47.0107	7720	55E22	61080440	785
721.684-010	ARMATURE-WINDER HELPER, REPAIR	2	1	1	3	M34	I	47.0107	8635	59002	63000000	864
721.684-014	ASSEMBLER, CARBON BRUSHES	3	1	2	4	L46	I	47.0107	7720	55E22	61080440	785
721.684-018	COIL CONNECTOR	3	2	2	5	M46	I	47.0107	7720	59002	63000000	785
721.684-022	ELECTRIC-MOTOR ASSEMBLER	2	1	2	3	L4	I	47.0107	7720	55E22	61080440	785
721.684-026	SPIDER ASSEMBLER	4	2	2	6	M46	I	47.0107	7720	55E22	61080440	785
721.687-010	CLEANER AND PREPARER	1	1	1	2	M34	I	47.0107	7756	59003	80002899	789
722.687-010	SWITCHBOX ASSEMBLER 1	1	1	1	2	L4	I		7720	55E22	61080440	785
723.684-010	ASSEMBLER	2	2	2	3	L46	I	47.0108	7720	55E22	61080440	785
723.687-010	PATCHER	2	1	1	2	L4	I		7720	59003	80002899	785
724.281-010	TRANSFORMER TESTER	4	3	3	7	M46	I	47.0107	6881	55Q57	50142205	689
724.360-010	SET-UP MECHANIC, COIL-WINDING MACHINES	4	3	4	6	M346	I5	47.0107	7479	55R82	61085810	777
724.361-010	WIRE COILER	3	2	3	5	L46	I	47.0108	6867	59002	63000000	683
724.364-010	WINDING INSPECTOR AND TESTER	3	2	2	4	L46	I	47.0107	7820	55Q57	50142205	796
724.381-010	ADJUSTER, ELECTRICAL CONTACTS	3	2	2	6	L46	I		6882	59002	63000000	693
724.381-014	COIL WINDER, REPAIR	3	2	2	5	L46	I	47.0107	6867	51020	50083204	683
724.381-018	TRANSFORMER REPAIRER	3	2	2	7	M46	I	47.0107	6152	51020	50083204	533
724.384-010	ARMATURE TESTER 1	3	2	2	4	L46	I	47.0107	7830	55Q57	50142205	797
724.384-014	STATIC BALANCER	3	2	2	3	M4	I	47.0107	7830	55Q57	50142205	797
724.684-010	ARMATURE BANDER	3	2	2	5	M46	I	47.0107	7720	59002	63000000	785
724.684-014	ARMATURE CONNECTOR 2	2	2	2	3	L46	I	47.0107	7720	55R74	61080415	785
724.684-022	COIL SHAPER	3	2	2	5	L46	I	47.0107	7517	59002	63000000	706
724.684-026	COIL WINDER	2	2	2	4	L46	I	47.0107	7720	55R86	61080416	785
724.684-030	COMMUTATOR ASSEMBLER	3	2	2	5	M46	I	47.0107	7720	59002	63000000	785

*** PROGRAM: 46.0105 INDUSTRIAL ELECTRONICS. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED			SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
		R	M	L								
724.684-034	MAGNET-VALVE ASSEMBLER	2	1	2	3	L46	I		7720	55E22	61080440	785
724.684-038	MOTOR-AND-GENERATOR-BRUSH MAKER	3	2	1	4	L46	I	47.0107	7720	59002	63000000	785
724.685-010	ELEMENT WINDER	3	2	2	3	L46	I		7720	55R82	61085810	785
724.685-014	WELD INSPECTOR	2	1	1	2	L4	I		7820	55B58	50142202	796
724.687-010	LACER AND TIER	1	1	1	2	M4	I		7720	59003	80002899	785
725.381-010	TUBE REBUILDER	4	3	4	6	L46	I	47.0103	6869	59002	63000000	684
725.384-010	TUBE ASSEMBLER, ELECTRON	2	2	2	2	L46	I		7720	55E22	61080440	785
725.684-010	COILED-COIL INSPECTOR	3	2	2	3	L46	I		7820	55B58	50142202	796
725.684-014	MOUNTER, HAND	2	2	2	3	L4	I		7720	59002	63000000	785
725.684-018	STEM MOUNTER	2	1	1	2	L46	I		7720	59003	80002899	785
725.684-022	TUBE ASSEMBLER, CATHODE RAY	2	1	1	3	M46	I	47.0103	7720	55E22	61080440	785
725.685-010	DISPLAY-SCREEN FABRICATOR	2	1	1	2	L46	I4		7549	59003	80002899	725
725.687-010	BEAD INSPECTOR	2	2	2	3	L46	I		7820	55B58	50142202	796
725.687-014	COILER	2	2	2	3	L46	I		7830	55Q57	50142205	797
725.687-018	FOCUSER	2	1	2	3	L46	I		7820	55B58	50142202	796
725.687-026	QUALITY-CONTROL INSPECTOR	3	2	2	3	L46	I		7820	55B58	50142202	796
726.261-010	ELECTRONICS ASSEMBLER, DEVELOPMENTAL	4	4	4	7	L456	I	15.0303 15.0402	3990	39000	10141404	235
726.261-010	ELECTRONICS ASSEMBLER, DEVELOPMENTAL	4	4	4	7	L456	I	47.0103 47.0104	3990	39000	10141404	235
726.281-014	ELECTRONICS TESTER 1	4	4	3	7	L346	I	15.0303 47.0103 47.0104	6881	55Q57	50142205	689
726.361-010	ELECTRONICS UTILITY WORKER	3	3	2	6	L46	I	47.0103 47.0104	6867	59002	63000000	683
726.367-010	GREEN INSPECTOR	3	2	2	4	L46	I		7820	55B58	50142202	796
726.381-010	ELECTRONICS INSPECTOR 1	4	4	4	6	L46	I	47.0103 47.0104	6881	55B58	50142202	689
726.384-010	ELECTRONICS ASSEMBLER	3	2	2	6	L46	I		7720	55E22	61080440	785
726.684-010	CAPACITOR-PACK-PRESS OPERATOR	2	1	1	4	M4	I		7720	59002	63000000	785
726.684-014	ELECTRONIC-SCALE SUBASSEMBLER	3	1	1	3	L46	I		7720	55E22	61080440	785
726.684-018	ELECTRONICS ASSEMBLER	3	1	2	3	L46	I	47.0103 47.0104	7720	55E22	61080440	785
726.684-022	ELECTRONICS INSPECTOR 2	3	2	2	3	L46	I	47.0103 47.0104	7820	55B58	50142202	796
726.684-030	ENCAPSULATOR	2	1	1	2	L4	I		7740	55R84	61088428	785
726.687-010	ELECTRONICS WORKER	2	1	2	2	L4	I	47.0103	7740	59003	80002899	785
726.687-014	PLUG WIRER	2	1	1	3	L46	I		7720	55E22	61080440	785
728.384-010	ASSEMBLER, ELECTRICAL WIRE GROUP	2	2	2	3	L46	I	47.0602	7720	55E22	61080440	785
728.684-010	CABLE MAKER	3	2	2	3	L46	I		7720	59002	63000000	785
728.684-014	ELECTRICAL-LINE SPLICER	3	2	2	5	M4	I	47.0305	7720	59002	63000000	785
728.684-018	SPARK TESTER	2	2	2	4	L46	I		7830	55Q57	50142205	797
728.687-010	WIREWORKER	1	1	1	2	L46	I		7720	59003	80002899	785
729.131-010	INSPECTOR, CHIEF	4	3	3	6	L456	I		6700	55B29	50040003	633
729.381-018	STREET-LIGHT REPAIRER	4	2	3	7	L46	I		6159	55C94	50021402	533
729.384-010	ASSEMBLER, ELECTRICAL ACCESSORIES 2	3	2	2	3	L46	I		7720	55E22	61080440	785
729.384-022	WINDING INSPECTOR	3	2	3	4	L46	I	47.0107	7820	55B58	50142202	796

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*** PROGRAM: 46.0105 INDUSTRIAL ELECTRONICS. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
729.387-010	DEICER INSPECTOR, ELECTRIC	3	2	2	4	L46	I		7820	55B58	50142202	796
729.387-014	DEICER TESTER	3	2	2	4	L46	I46		7830	55Q57	50142205	797
729.387-018	FINISHING INSPECTOR	3	2	3	5	L46	I		7820	55B58	50142202	796
729.387-022	INSPECTOR 1	3	2	2	4	L46	I	47.0106 47.0108	7820	55Q57	50142205	796
729.387-026	INSULATOR TESTER	3	2	2	4	L46	I	47.0502	7830	55Q57	50142205	797
729.484-010	LAMINATION ASSEMBLER	3	2	2	3	L46	I		7720	55E22	61080440	785
729.664-010	TEST-DEPARTMENT HELPER	2	2	2	3	H46	I		8620	56900	80002823	873
729.682-010	OPERATOR, CAVITY PUMP	3	2	3	4	L46	I		7679	59002	63000000	777
729.684-014	CAPACITOR ASSEMBLER	3	2	2	4	M46	I		7720	55E22	61080440	785
729.684-026	ELECTRICAL-CONTROL ASSEMBLER	3	2	2	4	L46	I		7720	55E22	61080440	785
729.684-030	MOLD OPERATOR	3	2	2	4	L46	I		7720	59002	63000000	785
729.684-038	REPAIRER, SWITCHGEAR	3	2	2	5	L46	I	46.0302	6152	51900	50083299	533
729.684-054	SUBASSEMBLER	2	1	2	2	L46	I	47.0107	7720	55E22	61080440	785
729.684-058	TESTER, ELECTRICAL CONTINUITY	3	2	2	3	L456	I	47.0107	7830	55Q57	50142205	797
729.687-010	ASSEMBLER, ELECTRICAL ACCESSORIES 1	2	1	2	2	L46	I		7720	55E22	61080440	785
823.281-018	METEOROLOGICAL-EQUIPMENT REPAIRER	4	3	3	7	M46	B		6179	51900	50083299	547
825.381-030	ELECTRICIAN	4	3	3	8	M2346	I6	46.0302 49.0306 49.0308	6432	55B12	50021401	575
826.361-010	ASSEMBLER AND WIRER, INDUSTRIAL EQUIPMEN	4	3	3	7	M2346	I		6867	55E22	61080440	683
827.381-010	CONTROL-PANEL TESTER	4	4	3	7	L456	I6		6881	55Q57	50142205	689
828.251-010	ELECTRONIC-SALES-AND-SERVICE TECHNICIAN	4	3	3	7	M46	I	15.0303 15.0402 47.0103 47.0104	6153	32004	10080803	523
828.281-010	ELECTRONICS MECHANIC	4	4	4	7	L456	I	15.0303 15.0402 47.0103 47.0104	6153	51079	50081400	523
828.281-014	ELECTRONICS-MECHANIC APPRENTICE	4	4	4	7	L456	I	15.0402 47.0103 47.0104	6153	51079	50081400	523
828.381-014	PRECISION ASSEMBLER	4	4	4	7	M46	I		6867	55E22	61080440	683
829.361-018	CIRCULATING PROCESS INSPECTOR	3	3	3	6	L46	I		6881	55B58	50142202	689

PROGRAM: 47.0106 MAJOR APPLIANCE REPAIR.

------------------------- AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO REPAIR, INSTALL, AND SERVICE MAJOR GAS, ELECTRIC, AND MICROWAVE CONSUMER APPLIANCES SUCH AS STOVES, REFRIGERATORS, DRYERS, WATER HEATERS, WASHERS, AND DISHWASHERS.

DICTIONARY OF OCCUPATIONAL TITLES												
	FOURTH EDITION	GED			S V	PHYSICAL	WORKING	OTHER C I P	1980 SOC	O E S SURVEY	MATRIX	1980 CENSUS
CODE	TITLE	R	M	L	P	DEMANDS	CONDITIONS	PROGRAM	CODE	CODE	CODE	CODE
620.261-026	ELECTRIC-GOLF-CART REPAIRER	3	2	3	5	M46	I		6152	51900	50083299	533
637.261-018	GAS-APPLIANCE SERVICER	4	3	3	7	M346	B7		6179	51059	50082012	547
637.684-010	GAS-APPLIANCE-SERVICER HELPER	2	2	2	4	H246	B7		8635	56900	80002823	864
729.387-022	INSPECTOR 1	3	2	2	4	L46	I	47.0105 47.0108	7820	55Q57	50142205	[illegible]96
827.261-010	ELECTRICAL-APPLIANCE SERVICER	4	3	3	7	M346	I		6156	51080	50082005	526
827.261-014	ELECTRICAL-APPLIANCE-SERVICER APPRENTICE	4	3	3	7	M346	I		6156	51080	50082005	526
827.361-014	REFRIGERATION MECHANIC	4	3	3	7	H2345	I	47.0202	6160	51052	50080200	534
827.384-010	REFRIGERATOR TESTER	3	2	3	5	L46	I	47.0202	7830	55Q57	50142205	797
827.464-010	AIR-CONDITIONING INSTALLER, DOMESTIC	3	3	3	4	H2456	B	47.0203	6156	55D73	50082007	526
827.584-010	ELECTRICAL-APPLIANCE PREPARER	2	2	2	3	H34	I		7720	55E22	61080440	785
827.661-010	HOUSEHOLD-APPLIANCE INSTALLER	3	3	3	6	H234	I		6156	55D73	50082007	526
827.684-010	APPLIANCE ASSEMBLER, LINE	3	2	2	3	M34	I57		7720	55E22	61080440	785
829.261-014	DENTAL-EQUIPMENT INSTALLER AND SERVICER	4	4	3	6	M3456	I	15.0401	6179	51024	50083224	547

PROGRAM: 47.0107 MOTOR REPAIR.
--------------- AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ASSEMBLE, INSTALL, TEST, MAINTAIN, AND REPAIR ELECTRIC MOTORS, GENERATORS, TRANSFORMERS, AND RELATED EQUIPMENT.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
692.482-010	CARBON-AND-GRAPHITE-BRUSH-MACHINE OPERAT	3	3	3	4	L46	I	47.0105	7479	59001	50144899	777
721.261-010	ELECTRIC-MOTOR ANALYST	4	3	2	7	L46	I	46.0302	6152	51020	50083204	533
721.261-014	FINAL TESTER	4	3	3	7	M456	I56	47.0105	6881	55Q57	50142205	689
721.281-010	AUTOMOTIVE-GENERATOR-AND-STARTER REPAIRE	4	3	2	6	M346	I	47.0604	6152	51008	50081001	533
721.281-014	ELECTRIC-MOTOR ASSEMBLER AND TESTER	4	3	2	7	L4	I		6152	51020	50083204	533
721.281-018	ELECTRIC-MOTOR REPAIRER	4	3	3	7	M46	I		6152	51020	50083204	533
721.281-022	MAGNETO REPAIRER	4	2	2	6	L4	I		6114	51031	50083207	509
721.281-026	PROPULSION-MOTOR-AND-GENERATOR REPAIRER	4	3	2	7	M46	I	47.0604	6152	51008	50081001	533
721.281-030	TESTER, MOTORS AND CONTROLS	4	3	3	6	M46	I	47.0105	6881	55Q57	50142205	689
721.361-010	INSPECTOR, MOTORS AND GENERATORS	4	3	3	7	M456	I	47.0105	6881	55B58	50142202	689
721.381-010	ELECTRIC-MOTOR FITTER	4	2	3	7	L4	I		6152	51020	50083204	533
721.381-014	ELECTRIC-MOTOR-CONTROL ASSEMBLER	4	3	2	6	M346	I		6867	55E22	61080440	683
721.381-018	GOVERNOR ASSEMBLER, HYDRAULIC	4	3	2	7	M346	I		6869	55E22	61080440	684
721.484-010	ELECTRIC-MOTOR WINDER	3	2	2	6	M46	I	47.0105	7720	55E22	61080440	785
721.484-014	FIELD-RING ASSEMBLER	3	2	2	6	M46	I	47.0105	7720	55E22	61080440	785
721.484-018	INSULATION CUTTER AND FORMER	3	2	2	3	L346	I	47.0105	7678	59002	63000000	769
721.484-022	SKEIN WINDER	3	2	2	5	L46	I	47.0105	7720	55E22	61080440	785
721.684-010	ARMATURE-WINDER HELPER, REPAIR	2	1	1	3	M34	I	47.0105	8635	59002	63000000	864
721.684-014	ASSEMBLER, CARBON BRUSHES	3	1	2	4	L46	I	47.0105	7720	55E22	61080440	785
721.684-018	COIL CONNECTOR	3	2	2	5	M46	I	47.0105	7720	59002	63000000	785
721.684-022	ELECTRIC-MOTOR ASSEMBLER	2	1	2	3	L4	I	47.0105	7720	55E22	61080440	785
721.684-026	SPIDER ASSEMBLER	4	2	2	6	M46	I	47.0105	7720	55E22	61080440	785
721.687-010	CLEANER AND PREPARER	1	1	1	2	M34	I	47.0105	7756	59003	80002899	789
724.281-010	TRANSFORMER TESTER	4	3	3	7	M48	I	47.0105	6881	55Q57	50142205	689
724.360-010	SET-UP MECHANIC, COIL-WINDING MACHINES	4	3	4	6	M346	I5	47.0105	7479	55R82	61085810	777
724.364-010	WINDING INSPECTOR AND TESTER	3	2	2	4	L46	I	47.0105	7820	55Q57	50142205	796
724.381-014	COIL WINDER, REPAIR	3	2	2	5	L46	I	47.0105	6867	51020	50083204	683
724.381-018	TRANSFORMER REPAIRER	3	2	2	7	M46	I	47.0105	6152	51020	50083204	533
724.384-010	ARMATURE TESTER 1	3	2	2	4	L46	I	47.0105	7830	55Q57	50142205	797
724.384-014	STATIC BALANCER	3	2	2	3	M4	I	47.0105	7830	55Q57	50142205	797
724.684-010	ARMATURE BANDER	3	2	2	5	M46	I	47.0105	7720	59002	63000000	785
724.684-014	ARMATURE CONNECTOR 2	2	2	2	3	L46	I	47.0105	7720	55R74	61080415	785
724.684-018	ARMATURE WINDER, REPAIR	3	2	2	4	L46	I		6152	51020	50083204	533
724.684-022	COIL SHAPER	3	2	2	5	L46	I	47.0105	7517	59002	63000000	706
724.684-026	COIL WINDER	2	2	2	4	L46	I	47.0105	7720	55R86	61080416	785
724.684-030	COMMUTATOR ASSEMBLER	3	2	2	5	M46	I	47.0105	7720	59002	63000000	785
724.684-038	MOTOR-AND-GENERATOR-BRUSH MAKER	3	2	1	4	L46	I	47.0105	7720	59002	63000000	785
729.384-022	WINDING INSPECTOR	3	2	3	4	L46	I	47.0105	7820	55B58	50142202	796
729.684-054	SUBASSEMBLER	2	1	2	2	L46	I	47.0105	7720	55E22	61080440	785
729.684-058	TESTER, ELECTRICAL CONTINUITY	3	2	2	3	L456	I	47.0105	7830	55Q57	50142205	797
820.361-014	ELECTRIC-MOTOR-AND-GENERATOR ASSEMBLER	4	4	4	6	M346	I		6867	55E22	61080440	683
820.381-014	TRANSFORMER ASSEMBLER	4	4	3	6	M46	I		6867	55E22	61080440	683
825.281-014	ELECTRICIAN	4	3	3	7	L34	I6	46.0302	6152	55B12	50021401	533

PROGRAM: 47.0108 SMALL APPLIANCE REPAIR. AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO REPAIR, MAINTAIN AND SERVICE SMALL APPLIANCES SUCH AS IRONS, TOASTERS, WASTE-DISPOSAL UNITS, VACUUM CLEANERS, COFFEE MAKERS, AND DEHUMIDIFIERS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
639.281-018	SEWING-MACHINE REPAIRER	3	3	3	7	M346	I5		6130	51070	50083218	518
639.684-010	SEWING-MACHINE-REPAIRER HELPER	2	2	2	4	M34	I		8633	56900	80002823	864
706.381-034	SEWING-MACHINE ASSEMBLER	3	2	2	6	M4	I		6812	55E22	61080440	636
706.687-030	PUSH-CONNECTOR ASSEMBLER	2	1	1	2	L4	I	47.0105	7720	55E22	61080440	785
709.382-010	SEWING-MACHINE TESTER	3	2	2	5	L46	I		7830	55Q57	50142205	797
723.381-010	ELECTRICAL-APPLIANCE REPAIRER	4	2	3	6	L4	I		6156	51080	50082005	526
723.381-014	VACUUM CLEANER REPAIRER	3	2	2	6	M46	I		6156	51080	50082005	526
723.584-010	APPLIANCE REPAIRER	3	2	2	3	M46	I		6156	51080	50082005	526
723.684-010	ASSEMBLER	2	2	2	3	L46	I	47.0105	7720	55E22	61080440	785
723.685-010	HEATING-ELEMENT WINDER	2	1	1	3	L46	I		7529	59002	63000000	715
723.687-018	TESTER, WASTE DISPOSAL LEAKAGE	2	2	2	3	L46	I		7830	55Q57	50142205	797
724.361-010	WIRE COILER	3	2	3	5	L46	I	47.0105	6867	59002	63000000	683
729.281-022	ELECTRIC-TOOL REPAIRER	4	3	3	6	L4	I		6156	51021	50083205	526
729.387-022	INSPECTOR 1	3	2	2	4	L46	I	47.0105 47.0106	7820	55Q57	50142205	796
731.684-022	TOY-ELECTRIC-TRAIN REPAIRER	3	2	2	3	L46	I		6156	51900	50083299	526

PROGRAM: 47.0109 VENDING AND RECREATIONAL MACHINE REPAIR. AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO INSTALL, SERVICE, ADJUST, AND REPAIR COIN VENDING AND RECREATIONAL MACHINES; VERIFY BY OBSERVATION THAT MACHINES ARE FUNCTIONING PROPERLY; PERFORM TESTS ON ICE-MAKING, REFRIGERATION, CARBONATION, AND EVAPORATION SYSTEMS; DISPENSING, ELECTRICAL, AND COIN HANDLING SYSTEMS; AND IDENTIFY AND CORRECT MALFUNCTIONS, INCLUDING REPLACING WORN OR DEFECTIVE ELECTRICAL AND/OR MECHANICAL PARTS USING HAND AND POWER TOOLS. INCLUDES INSTRUCTION IN REFINISHING UNITS, TRANSPORTING UNITS TO LOCATION, AND CONNECTING WATER OR ELECTRIC LINES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
637.684-014	QUALITY-CONTROL TECHNICIAN	3	3	3	3	L46	I		7830	55Q57	50142205	797
638.261-022	PINSETTER MECHANIC, AUTOMATIC	3	2	2	4	M234	I		6179	51044	50083225	547
639.281-014	COIN-MACHINE-SERVICE REPAIRER	3	3	3	5	M346	I		6179	51056	50083215	547
709.364-014	TOWEL-CABINET REPAIRER	2	1	2	3	M46	I		6179	59002	63000000	547
729.381-014	PIN-GAME-MACHINE INSPECTOR	4	2	3	5	L456	I		6881	51900	50083299	689
731.684-010	COIN-MACHINE ASSEMBLER	2	1	2	3	L4	I		7720	55E22	61080440	785
731.687-010	ASSEMBLER	1	1	1	2	L4	I		7720	55E22	61080440	785
829.381-010	PINSETTER ADJUSTER, AUTOMATIC	4	3	3	6	M346	I		6179	51044	50083225	547
829.667-014	PINSETTER-MECHANIC HELPER	2	2	2	2	H234	I		8637	56900	80002823	864

PROGRAM: 47.0199 ELECTRICAL AND ELECTRONICS EQUIPMENT REPAIR, OTHER. ANY INSTRUCTIONAL PROGRAM IN ELECTRICAL AND ELECTRONICS EQUIPMENT REPAIR NOT DESCRIBED ABOVE.

PROGRAM: 47.0200 HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS.

A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS TO INSTALL, REPAIR, AND MAINTAIN THE OPERATING CONDITIONS OF HEATING, AIR CONDITIONING, AND REFRIGERATING SYSTEMS.

PROGRAM: 47.0201 HEATING, AIR CONDITIONING AND REFRIGERATION MECHANICS, GENERAL.

AN INSTRUCTIONAL PROGRAM THAT GENERALLY PREPARES INDIVIDUALS TO INSTALL, REPAIR, AND MAINTAIN THE OPERATING CONDITIONS OF HEATING, AIR CONDITIONING, AND REFRIGERATION SYSTEMS.

PROGRAM: 47.0202 COOLING AND REFRIGERATION.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO INSTALL, OPERATE, TEST, AND SERVICE COOLING AND REFRIGERATION SYSTEMS. INCLUDES INSTRUCTION IN VARIOUS TYPES OF SYSTEMS, CONTROL DEVICES, THERMIC UNITS, AND REFRIGERATORS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION		GED			S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
CODE	TITLE	R	M	L								
168.167-046	INSPECTOR, HEATING AND REFRIGERATION	5	4	4	7	L236	I	15.0501 43.0201 46.0403 47.0203	1472	10009	20040400	035
637.261-026	REFRIGERATION MECHANIC	4	3	3	8	H23456	I2567		6160	51052	50080200	534
637.381-010	EVAPORATIVE-COOLER INSTALLER	3	3	3	6	M234	B		6160	51052	50080200	534
637.381-014	REFRIGERATION UNIT REPAIRER	3	2	3	6	M346	I6		6160	51052	50080200	534
637.687-014	REFRIGERATION-MECHANIC HELPER	2	1	2	2	H345	I2567		8637	56900	80002823	864
827.361-014	REFRIGERATION MECHANIC	4	3	3	7	H2345	I	47.0106	6160	51052	50080200	534
827.384-010	REFRIGERATOR TESTER	3	2	3	5	L46	I	47.0106	7830	55057	50142205	797
827.485-010	GAS CHARGER	2	2	2	2	M4	I		7665	59003	80002899	777
827.584-014	GAS-LEAK TESTER	2	1	1	2	L456	I		7830	55057	50142205	797
827.585-010	FOAM CHARGER	2	2	2	3	M4	I		7679	59002	63000000	777
950.362-014	REFRIGERATING ENGINEER	4	3	3	7	M246	I456	15.0501	6931	55C91	50144014	696

PROGRAM: 47.0203 HEATING AND AIR CONDITIONING.
AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO INSTALL, OPERATE, TEST, REPAIR, AND MAINTAIN COMMERCIAL AND DOMESTIC HEATING AND AIR CONDITIONING SYSTEMS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
168.167-046	INSPECTOR, HEATING AND REFRIGERATION	5	4	4	7	L236	I	15.0501 43.0201 46.0403 47.0202	1472	10009	20040400	035
620.281-010	AIR-CONDITIONING MECHANIC	3	2	3	6	M3456	I	47.0604	6111	51008	50081001	505
637.261-010	AIR-CONDITIONING INSTALLER-SERVICER, WIN	4	3	3	8	H23456	I		6156	51052	50080200	526
637.261-014	ENVIRONMENTAL-CONTROL-SYSTEM INSTALLER-S	4	3	3	8	M23456	B567		6160	51052	50080200	534
637.281-014	STOKER ERECTOR-AND-SERVICER	4	3	3	7	H346	I67		6130	51900	50083299	518
637.664-010	ENVIRONMENTAL-CONTROL-SYSTEM INSTALLER-S	3	2	2	6	H2346	B567		8637	56900	80002823	864
637.687-010	AIR-CONDITIONING INSTALLER-SERVICER HELP	2	1	2	3	H234	B6		8635	56900	80002823	864
706.684-010	AIR-CONDITIONING-COIL ASSEMBLER	3	2	2	3	M4	I5		7720	55E22	61080440	785
827.361-010	AIR-CONDITIONING-UNIT TESTER	3	2	2	6	L4	I4		6881	55Q57	50142205	689
827.464-010	AIR-CONDITIONING INSTALLER, DOMESTIC	3	3	3	4	H2456	B	47.0106	6156	55D73	50082007	526
862.281-018	OIL-BURNER-SERVICER-AND-INSTALLER	3	1	2	7	M346	I7		6450	55C04	50080200	585
862.361-010	FURNACE INSTALLER	4	2	3	7	M34	I6		6450	55B37	50080200	585
862.687-022	OIL-BURNER-SERVICER-AND-INSTALLER HELPER	1	1	1	2	H34	I		8769	56900	80002823	889
869.281-010	FURNACE INSTALLER-AND-REPAIRER, HOT AIR	4	3	3	7	M34	I		6160	55B37	50080200	534
869.687-030	FURNACE-INSTALLER-AND-REPAIRER HELPER, H	2	1	1	2	H34	I67		8769	56900	80002823	889
891.687-014	FURNACE CLEANER	2	1	1	2	M34	I57		8750	59003	80002899	887
950.382-010	BOILER OPERATOR	4	3	3	7	M246	I356		6931	55C90	61085602	696
950.485-010	HUMIDIFIER ATTENDANT	3	2	2	6	L24	I567		7679	59002	63000000	777
950.585-010	VENTILATION EQUIPMENT TENDER	3	2	3	4	L2346	I5		7679	55C91	50144014	777
950.685-014	BOILER-ROOM HELPER	2	2	2	4	L4	I5	47.0502	7668	59002	63000000	696
959.131-010	HEATING-PLANT SUPERINTENDENT	4	3	3	8	L456	I	15.0501	6700	55B29	50040003	633

PROGRAM: 47.0299 HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS, OTHER.
ANY INSTRUCTIONAL PROGRAM IN HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS NOT DESCRIBED ABOVE.

PROGRAM: 47.0300 INDUSTRIAL EQUIPMENT MAINTENANCE AND REPAIR. A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS TO OPERATE, MAINTAIN, AND REPAIR HEAVY-DUTY EQUIPMENT SUCH AS BULLDOZERS, CRANES, GRADERS, TRACTORS, TRAILERS, CONCRETE MIXERS, CRAWLER-MOUNTED SHOVELS, DRAGLINES, AND COMPRESSORS.

PROGRAM: 47.0301 INDUSTRIAL EQUIPMENT MAINTENANCE AND REPAIR, GENERAL. AN INSTRUCTIONAL PROGRAM THAT GENERALLY PREPARES INDIVIDUALS TO OPERATE, MAINTAIN, AND REPAIR HEAVY-DUTY EQUIPMENT SUCH AS BULLDOZERS, CRANES, GRADERS, TRACTORS, TRAILERS, CONCRETE MIXERS, CRAWLER-MOUNTED SHOVELS, DRAGLINES, AND COMPRESSORS.

PROGRAM: 47.0302 HEAVY EQUIPMENT MAINTENANCE AND REPAIR. AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS IN THE FIELD MAINTENANCE OF HEAVY EQUIPMENT, AND IN GENERAL MAINTENANCE AND OVERHAUL OF SUCH EQUIPMENT. INCLUDES INSTRUCTION IN INSPECTION, MAINTENANCE, AND REPAIR OF TRACKS, WHEELS, BRAKES, OPERATING CONTROLS, PNEUMATIC AND HYDRAULIC SYSTEMS, ELECTRICAL CIRCUITRY, ENGINES, AND IN TECHNIQUES OF WELDING AND BRAZING.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
184.167-170	SUPERINTENDENT, MAINTENANCE	4	4	3	7	S56	I		1342	19000	20061699	019
221.367-030	LOCOMOTIVE LUBRICATING-SYSTEMS CLERK	3	2	3	5	S45	I		4752	62003	40062400	363
620.261-022	CONSTRUCTION-EQUIPMENT MECHANIC	3	3	3	7	M346	B57		6117	51034	50081803	516
620.281-042	LOGGING-EQUIPMENT MECHANIC	4	3	3	7	V23456	B56		6117	51034	50081803	516
620.281-046	MAINTENANCE MECHANIC	4	3	3	7	M34	I56	47.0604	6111	51008	50081001	505
620.281-050	MECHANIC, INDUSTRIAL TRUCK	4	3	3	7	M345	I	47.0605	6112	51034	50081803	507
620.281-058	TRACTOR MECHANIC	4	3	3	7	M346	I4	01.0204 47.0605	6112	51034	50081803	507
620.381-018	MECHANICAL-UNIT REPAIRER	4	3	3	7	M456	B		6117	51008	50081001	516
620.381-022	REPAIRER, HEAVY	3	2	3	6	H46	I5		6111	51008	50081001	505
620.664-010	CONSTRUCTION-EQUIPMENT-MECHANIC HELPER	2	1	2	3	M346	B56		8632	56900	80002823	864
622.381-014	CAR REPAIRER	4	3	3	7	H23456	B56		6117	51066	50082803	516
622.381-018	CAR REPAIRER, PULLMAN	4	3	3	7	M2346	B		6117	51066	50082803	516
622.381-022	CAR-REPAIRER APPRENTICE	4	3	3	7	H23456	B56		6117	51066	50082803	516
622.684-010	AIR-COMPRESSOR MECHANIC	3	3	3	6	L46	I	47.0401	6117	51066	50082803	516
910.367-010	BRAKE COUPLER, ROAD FREIGHT	3	2	3	4	M2346	B6		8233	55A29	62001600	825
910.384-010	TANK-CAR INSPECTOR	3	2	3	4	M2346	O6		8280	51066	50082803	689
910.387-014	RAILROAD-CAR INSPECTOR	3	2	3	5	L346	O		8280	55B58	50142202	689
915.687-018	LUBRICATION SERVICER	2	1	1	4	M34	I		8730	55D67	61082605	885

PROGRAM: 47.0303 INDUSTRIAL MACHINERY MAINTENANCE AND REPAIR.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO REPAIR AND MAINTAIN INDUSTRIAL MACHINERY AND EQUIPMENT SUCH AS CRANES, PUMPS, ENGINES AND MOTORS, PNEUMATIC TOOLS, CONVEYOR SYSTEMS, PRODUCTION MACHINERY, PRINTING MACHINERY, MARINE DECK MACHINERY, AND STEAM PROPULSION, REFINERY, AND PIPELINE-DISTRIBUTION SYSTEMS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
529.684-018	SIEVE MAKER	2	1	1	2	M24	I7		7740	59003	80002899	785
549.261-010	MECHANICAL INSPECTOR	4	3	3	7	L2346	B67		6881	55B58	50142202	689
580.380-010	FIXER, BOARDING ROOM	4	2	3	7	M46	I		7459	51900	50083299	749
585.380-010	CUTTING-MACHINE FIXER	4	3	3	6	M346	I57		7459	51900	50083299	749
615.280-010	SLITTER SERVICE AND SETTER	4	3	3	6	M46	I56	48.0504	7314	55R61	50061008	706
620.281-018	AUTOMOTIVE-MAINTENANCE-EQUIPMENT SERVICE	4	3	3	7	M346	I5	47.0604	6130	51043	50081807	518
626.261-010	FORGE-SHOP-MACHINE REPAIRER	4	3	3	7	M23456	I35		6130	51043	50081807	518
626.281-010	MACHINE REPAIRER, MAINTENANCE	4	3	3	7	M456	I5		6130	51043	50081807	518
626.361-010	REPAIRER, WELDING, BRAZING, AND BURNING	4	3	3	7	M346	I567	47.0304	6130	51900	50083299	518
626.381-010	CASE-FINISHING-MACHINE ADJUSTER	3	3	3	5	L4	I5		6130	51043	50081807	518
626.381-018	HYDRAULIC-PRESS SERVICER	3	2	3	6	L46	I5		6130	51043	50081807	518
627.261-010	COMPOSING-ROOM MACHINIST	4	3	3	8	H3456	I5		6130	51043	50081807	518
627.261-014	MACHINIST APPRENTICE, COMPOSING ROOM	4	3	3	8	H3456	I5		6130	51043	50081807	518
627.261-018	MACHINIST APPRENTICE, LINOTYPE	4	3	3	7	H3456	I5		6130	51043	50081807	518
627.261-022	MACHINIST, LINOTYPE	4	3	3	7	H3456	I5		6130	51043	50081807	518
627.281-010	PRESS MAINTAINER	4	3	3	8	H4	I		6130	51043	50081807	518
628.261-010	OVERHAULER	4	3	4	6	H346	I3457		6130	51065	50081814	518
628.281-010	MACHINE FIXER	4	3	4	7	M23456	I5		6130	51065	50081814	518
628.381-010	CARD CLOTHIER	4	3	3	7	H23456	I56		6130	51065	50081814	518
628.382-010	FLAT CLOTHIER	3	2	3	5	M46	I56		6130	51065	50081814	518
628.382-014	SHEAR-GRINDER OPERATOR	3	2	3	6	M46	I	48.0503	7322	55J63	61020600	709
628.484-010	REED REPAIRER	3	2	2	5	M46	I		6130	51065	50081814	518
628.664-010	OVERHAULER HELPER	3	2	2	3	H3456	I5		8633	56900	80002823	864
628.682-010	ROLLER COVERER	3	2	2	4	L46	I		7677	55J63	61020600	768
628.684-010	BINDER AND BOX BUILDER	2	1	2	2	L46	I		6179	59003	80002899	547
628.684-014	FRAME BANDER	2	1	1	3	L346	I5		6140	59002	63000000	519
628.684-018	NEEDLE STRAIGHTENER	3	2	2	4	L46	I		6130	51065	50081814	518
628.684-022	OVERHEAD CLEANER MAINTAINER	3	2	2	3	L246	I5		6140	59002	63000000	519
628.684-026	SHUTTLE FIXER	3	2	3	3	L46	I		6130	51065	50081814	518
628.684-030	SPINDLE PLUMBER	3	2	3	5	L346	I5		6130	51065	50081814	518
628.684-034	UTILITY WORKER, ROLLER SHOP	3	2	2	3	M46	I		6130	51065	50081814	518
628.684-038	WIRE REPAIRER	3	2	3	3	L346	I56		6130	51043	50081807	518
628.687-010	FLYER REPAIRER	2	1	2	3	L46	I		6140	59002	63000000	519
628.687-014	SHEAR-GRINDER-OPERATOR HELPER	2	1	1	2	H34	I		8617	59003	80002899	873
629.131-010	BAKERY-MACHINE-MECHANIC SUPERVISOR	4	3	4	7	M456	I5		6000	55B29	50040003	503
629.261-010	LAUNDRY-MACHINE MECHANIC	3	2	3	6	M346	I456		6130	51039	50083211	518
629.261-014	MILLER, HEAD, WET PROCESS	3	3	3	7	M24	I4567		6130	51043	50081807	518
629.261-018	POWDER-LINE REPAIRER	4	3	3	6	M3456	I567		6130	51043	50081807	518
629.280-010	MAINTENANCE MECHANIC	4	3	3	6	H46	I56		6130	51043	50081807	518
629.281-010	BAKERY-MACHINE MECHANIC	4	3	3	7	M346	I5		6130	51043	50081807	518
629.281-014	CELLOPHANE-CASTING-MACHINE REPAIRER	4	3	3	6	M4	I		6130	51043	50081807	518
629.281-022	ELECTRONIC-PRODUCTION-LINE-MAINTENANCE M	4	4	3	8	M3456	I6	47.0103 47.0105	6130	51077	50083299	518
629.281-026	FORMING-MACHINE ADJUSTER	4	3	3	5	M46	I35		6130	51043	50081807	518

*** PROGRAM: 47.0303 INDUSTRIAL MACHINERY MAINTENANCE AND REPAIR. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
629.281-030	MAINTENANCE MECHANIC	4	3	3	6	M2456	I57	01.0204	6130	51043	50081807	518
629.281-034	PUMP MECHANIC	4	3	3	6	M2346	I5		6130	51043	50081807	518
629.361-010	MACHINE-CLOTHING REPLACER	4	3	3	7	M2346	I56		6130	51043	50081807	518
629.381-010	FOILING-MACHINE ADJUSTER	3	2	3	5	L4	I5		6130	51043	50081807	518
629.382-010	MACHINE TESTER	3	3	3	4	M4	I	48.0503	7322	55Q57	50142205	709
629.682-010	ROLL GRINDER	3	2	3	5	M46	I567	48.0503	7322	55J63	61020600	709
629.684-010	CURING-PRESS MAINTAINER	2	2	2	2	M2346	I34		6140	59003	80002899	519
629.684-014	MILLER, HEAD, ASSISTANT, WET PROCESS	2	1	2	5	H24	I567		7753	59002	63000000	786
630.261-010	MAINTENANCE MECHANIC, COMPRESSED-GAS PLA	4	3	3	7	M2346	I56	47.0502	6130	51043	50081807	518
630.261-014	OVEN-EQUIPMENT REPAIRER	3	3	3	6	M2346	O367		6130	51043	50081807	518
630.261-018	REPAIRER 1	3	3	3	7	H2346	B	47.0503	6130	51043	50081807	518
630.281-010	PNEUMATIC-TOOL REPAIRER	4	3	3	7	M46	I57		6130	51900	50083299	518
630.281-014	PNEUMATIC-TUBE REPAIRER	3	3	3	6	M456	I		6130	51900	50083299	518
630.281-018	PUMP SERVICER	3	3	3	7	M346	B7	01.0204	6130	51043	50081807	518
630.281-022	REPAIRER	4	3	3	7	M23456	B57	47.0304	6130	51900	50083299	518
630.281-026	REPAIRER	4	3	3	7	M23456	B567	47.0304	6130	51043	50081807	518
630.281-030	RUBBERIZING MECHANIC	4	3	3	7	M4	I		6130	51043	50081807	518
630.281-034	SERVICE MECHANIC, COMPRESSED-GAS EQUIPME	4	3	3	7	M23456	I56		6130	51900	50083299	518
630.281-038	TREATMENT-PLANT MECHANIC	4	3	3	6	M346	B5	15.0506	6130	51058	50081810	518
630.381-010	CONVEYOR-MAINTENANCE MECHANIC	3	3	3	6	M346	I5		6130	51043	50081807	518
630.381-014	DOOR-CLOSER MECHANIC	3	3	3	7	L46	I		6175	51900	50083299	539
630.381-018	LEAD OPERATOR	4	3	3	6	L246	I5		6130	51043	50081807	518
630.381-022	LUBRICATION-EQUIPMENT SERVICER	3	2	2	6	M4	I		6130	51900	50083299	518
630.381-026	SPRAY-GUN REPAIRER	3	3	3	7	L46	I		6130	51900	50083299	518
630.584-010	EQUIPMENT CLEANER-AND-TESTER	3	2	2	4	M234	I567		6140	55Q57	50142205	519
630.664-010	REPAIRER HELPER	2	2	2	3	H234	B56	47.0304	8633	56900	80002823	864
630.664-014	SCREEN-AND-CYCLONE REPAIRER	3	2	2	4	M46	I	47.0304	6130	51043	50081807	518
630.664-018	SERVICE-MECHANIC HELPER, COMPRESSED-GAS	2	1	2	4	M34	I		8633	56900	80002823	864
630.684-010	ANODE REBUILDER	3	2	2	5	M46	I567		6130	59002	63000000	518
630.684-014	BELT REPAIRER	2	1	1	4	L34	I5		6140	55D98	50144299	519
630.684-018	PUMP INSTALLER	3	2	3	5	H34	B	01.0204	6179	59002	63000000	547
630.684-022	PUMP-SERVICER HELPER	2	1	2	5	M346	B	01.0204	8633	56900	80002823	864
630.684-026	REPAIRER 2	3	2	2	4	H2346	B567		6130	51043	50081807	518
630.684-034	SPRAY-GUN-REPAIRER HELPER	2	1	2	3	M46	I57		8637	56900	80002823	864
630.684-038	WHEEL-AND-CASTER REPAIRER	2	1	2	2	M34	I		6179	51900	50083299	547
631.261-010	HYDROELECTRIC-MACHINERY MECHANIC	4	3	3	7	H2346	I56	47.0502	6130	51036	50081804	518
631.261-014	POWERHOUSE MECHANIC	4	3	3	8	H23456	I567	47.0502 47.0503	6130	51036	50081804	518
631.261-018	POWERHOUSE-MECHANIC APPRENTICE	4	3	3	8	H23456	I567	47.0502 47.0503	6130	51036	50081804	518
631.364-010	HYDROELECTRIC-MACHINERY-MECHANIC HELPER	3	2	3	3	H234	I56	47.0502 47.0503	8633	56900	80002823	864
631.684-010	POWERHOUSE-MECHANIC HELPER	3	2	3	5	M2346	I5	47.0502 47.0503	8633	56900	80002823	864
632.360-010	GAGE-AND-WEIGH-MACHINE ADJUSTER	3	2	3	5	L3456	I		7479	59002	63000000	777
632.360-014	LOADING-MACHINE ADJUSTER	3	2	3	4	L3456	I56		7462	59002	63000000	754
632.360-018	PRIMER-INSERTING-MACHINE ADJUSTER	3	2	3	5	M346	I56		7462	51900	50083299	754
632.380-010	INSPECTING-MACHINE ADJUSTER	3	2	3	4	L46	I		6130	59002	63000000	518
632.380-014	LOADING-UNIT TOOL-SETTER	3	2	3	5	L346	I56		7462	59002	63000000	754
632.380-018	PRIMER-WATERPROOFING-MACHINE ADJUSTER	3	2	3	5	L346	I567		7462	59002	63000000	754
632.380-022	RIM-FIRE-PRIMING TOOL SETTER	3	3	3	4	M346	I6		7462	59002	63000000	754

*** PROGRAM: 47.0303 INDUSTRIAL MACHINERY MAINTENANCE AND REPAIR. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
632.380-026	VARNISHING-UNIT TOOL SETTER	3	2	3	3	L46	I		7479	59002	63000000	777
637.261-022	INDUSTRIAL-GAS SERVICER	4	3	3	7	M346	B	47.0304 47.0401	6175	55B62	50083221	539
637.384-010	INDUSTRIAL-GAS-SERVICER HELPER	3	2	2	4	M34	B	47.0401	8637	56900	80002823	864
638.261-010	AUTOMATED EQUIPMENT ENGINEER-TECHNICIAN	4	4	4	7	M3456	I	15.0603 15.0604	6178	55B95	50061600	544
638.261-014	MACHINERY ERECTOR	4	4	4	8	H2346	I5		6178	55B95	50061600	544
638.261-018	MANUFACTURER'S SERVICE REPRESENTATIVE	4	3	3	8	M456	I5		6178	55B95	50061600	544
638.281-014	MAINTENANCE MECHANIC	4	3	3	7	H23456	B4567		6178	51064	50081813	544
638.281-018	MILLWRIGHT	4	3	3	7	H23456	I56		6178	55B95	50061600	544
638.281-022	MILLWRIGHT APPRENTICE	4	3	3	7	H23456	I56		6178	55B95	50061600	544
638.361-010	MACHINE ASSEMBLER	3	3	3	6	M2346	I5		6178	55E22	61080440	544
638.484-010	MILLWRIGHT HELPER	2	2	2	3	H24	I	01.0203	8637	56900	80002823	864
638.684-010	KNIFE CHANGER	1	1	1	2	L4	I		6140	59003	80002899	519
638.684-014	KNIFE SETTER	3	2	2	4	M46	I5		6140	55E22	61080440	519
638.684-018	MAINTENANCE-MECHANIC HELPER	2	1	2	4	H346	I56		8637	56900	80002823	864
683.684-010	CHAIN REPAIRER	3	1	2	5	M2346	I5		6130	51065	50081814	518
683.684-026	SMASH HAND	3	1	2	3	L346	I5		6140	55P54	61040802	519
683.685-014	CARD CHANGER, JACQUARD LOOM	2	1	2	4	M246	I56		6140	51065	50081814	519
685.360-010	KNITTER MECHANIC	4	3	3	7	M46	I		7452	51061	50081811	739
689.260-010	MACHINE FIXER	4	3	4	6	M3456	I5		7451	59002	63000000	738
689.260-014	QUILTER FIXER	4	3	3	6	L3456	I5		7459	51900	50083299	749
689.260-018	SECTION LEADER AND MACHINE SETTER	4	3	3	7	M3456	I3457		7459	51065	50081814	749
689.260-022	SECTION LEADER AND MACHINE SETTER, POLIS	3	3	3	5	M3456	I5		7459	51065	50081814	749
689.280-010	BOX TENDER	4	3	3	6	M3456	I5		7451	59002	63000000	738
689.280-014	KNITTING-MACHINE FIXER	4	3	3	7	M3456	I5		7452	51061	50081811	739
689.360-010	NEEDLE-LOOM SETTER	3	2	3	6	L46	I6		7459	51062	50082200	749
689.364-010	STROBOSCOPE OPERATOR	3	2	3	5	L46	I5		6140	59002	63000000	519
692.360-010	ASSEMBLY-MACHINE-SET-UP MECHANIC	3	3	3	5	M3456	I		7479	59002	63000000	777
692.360-014	BRUSH-MACHINE SETTER	3	2	3	5	M3456	I5		7478	59001	50144899	769
692.362-010	SET-UP MECHANIC, CROWN ASSEMBLY MACHINE	3	2	2	5	L46	I5		7467	59002	63000000	758
692.380-010	SET-UP MECHANIC	4	3	3	6	M456	I56		6817	59002	63000000	645
692.380-014	SET-UP MECHANIC, AUTOMATIC LINE	4	3	3	6	M456	I5		7479	59002	63000000	777
692.682-046	PAINT-ROLLER-COVER-MACHINE SETTER	3	2	3	5	L46	I		7478	59002	63000000	769
699.687-014	MACHINE CLEANER	2	1	1	2	L34	I456		8750	59003	80002899	887
699.687-018	OILER	2	1	1	3	M346	I5		6140	55C06	61084000	519
701.381-010	REPAIRER, HANDTOOLS	3	2	2	5	L46	I	01.0203	6179	51900	50083299	547
701.384-010	TOOL-MAINTENANCE WORKER	2	1	1	3	L4	I		6179	51900	50083299	547
701.684-022	SAW SETTER	3	1	2	5	M2346	B5		6130	55N63	63000000	518
701.684-030	TOOL FILER	3	1	2	5	L46	I		6130	55B19	61082401	518
769.664-010	SHAKER REPAIRER	2	1	1	2	H234	I47		6130	59003	80002899	518
825.281-030	ELEVATOR REPAIRER	4	3	3	7	M346	I6		6176	51081	50081801	543
825.281-034	ELEVATOR-REPAIRER APPRENTICE	4	3	3	7	M346	I6		6176	51081	50081801	543
829.281-010	AUTOMATIC-DOOR MECHANIC	3	2	2	6	M346	B		6175	51900	50083299	539
862.684-030	WATER REGULATOR AND VALVE REPAIRER	3	2	2	5	M34	O4	47.0304	6179	51900	50083299	547
915.687-026	STEAM CLEANER	2	1	1	2	M34	O45		8750	55A61	80002401	887
952.665-010	LABORER, POWERHOUSE	2	1	1	3	H234	B567	47.0502 47.0503	8769	59002	63000000	889
979.381-026	ROLLER REPAIRER	4	2	2	7	H46	I		6130	51900	50083299	518

PROGRAM: 47.0304 MINE EQUIPMENT MAINTENANCE AND REPAIR.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO MAINTAIN, REPAIR, AND ADJUST MINING EQUIPMENT AND MACHINERY SUCH AS CONTINUOUS MINES, SHUTTLE CARS, AIR COMPRESSORS, AND HAULAGE EQUIPMENT. INCLUDES INSTRUCTION IN TESTING, ADJUSTING, AND REPAIRING PNEUMATIC AND HYDRAULIC SYSTEMS; ATTACHING SUPPLEMENTAL EQUIPMENT SUCH AS HOSES, VALVES, GATES, VIBRATION EQUIPMENT, AND MECHANICAL, ELECTRICAL, OR ELECTRONIC CONTROL DEVICES; AND REPAIRING, MAINTAINING, AND INSTALLING ELECTRONIC MOTORS, SWITCHBOARDS, CONTROLS, FANS, AND STARTING DEVICES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
622.381-030	MINE-CAR REPAIRER	4	3	3	7	H346	B		6117	51041	50081805	516
626.361-010	REPAIRER, WELDING, BRAZING, AND BURNING	4	3	3	7	M346	I567	47.0303	6130	51900	50083299	518
630.281-022	REPAIRER	4	3	3	7	M23456	B57	47.0303	6130	51900	50083299	518
630.281-026	REPAIRER	4	3	3	7	M23456	B567	47.0303	6130	51043	50081807	518
630.664-010	REPAIRER HELPER	2	2	2	3	H234	B56	47.0303	8633	56900	80002823	864
630.664-014	SCREEN-AND-CYCLONE REPAIRER	3	2	2	4	M46	I	47.0303	6130	51043	50081807	518
630.684-030	SCREEN REPAIRER, CRUSHER	3	2	2	4	M46	I5		6130	51900	50083299	518
630.687-010	PULLEY MAINTAINER	1	1	1	3	M234	I567		7740	59002	63000000	785
637.261-022	INDUSTRIAL-GAS SERVICER	4	3	3	7	M346	B	47.0303 47.0401	6175	55B62	50083221	539
706.361-010	ASSEMBLER	3	2	3	5	M346	I6	49.0204	6812	55E22	61080440	636
729.684-042	SAFETY-LAMP KEEPER	3	2	1	4	L46	I		6560	55B68	61083621	617
801.261-010	ASSEMBLER, MINING MACHINERY	4	4	3	7	M3456	B6		6812	55E22	61080440	636
801.664-010	LINER REPLACER	2	1	1	3	M4	I5		6140	59002	63000000	519
850.684-018	STRIPPING-SHOVEL OILER	3	1	1	6	H2346	B567		6140	55C06	61084000	519
862.684-030	WATER REGULATOR AND VALVE REPAIRER	3	2	2	5	M34	O4	47.0303	6179	51900	50083299	547
932.667-014	LOADING-SHOVEL OILER	2	1	1	3	M24	O5		6140	55C06	61084000	519

PROGRAM: 47.0305 OIL AND GAS DRILLING EQUIPMENT OPERATION AND MAINTENANCE.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ENGAGE IN OIL- AND GAS-WELL-DRILLING ACTIVITIES. INCLUDES INSTRUCTION IN DRILLING, TRANSMISSION, AND PUMPING OF LIQUIDS AND GASES; RIGGING; AND MAINTENANCE OF DRILLING EQUIPMENT.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
000.000-000									6473	55C53	61083628	597
529.131-014	SUPERVISOR, DAIRY PROCESSING	4	3	3	7	L2456	I345	02.0302 20.0406	7100	55B29	50040003	633
629.381-014	OIL-FIELD EQUIPMENT MECHANIC	4	3	3	6	M46	B5		6130	51900	50083299	518
728.684-014	ELECTRICAL-LINE SPLICER	3	2	2	5	M4	I	47.0105	7720	59002	63000000	785
859.362-010	WELL-DRILL OPERATOR	4	3	3	7	H3456	O4567		6474	55B52	50021807	598
869.684-046	ROUSTABOUT	3	1	2	5	H46	O6		6560	55C61	61083629	617
914.382-010	OIL PUMPER	3	3	3	6	L246	O5	47.0504	8319	55C05	50144008	859
914.382-014	PUMPER-GAGER	4	3	3	7	M2346	O567	15.0903 47.0504	8319	55B75	80001019	859
914.382-018	PUMPER-GAGER APPRENTICE	4	3	3	7	M2346	O567	15.0903 47.0504	8319	55B75	80001019	859

*** PROGRAM: 47.0305 OIL AND GAS DRILLING EQUIPMENT OPERATION AND MAINTENANCE. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
914.382-022	PUMPER, HEAD	3	3	3	7	L4	05	47.0504	8319	55C43	50144010	859
914.384-010	GAGER	3	3	3	6	M2346	06	47.0504	6950	55B39	61083620	699
914.682-010	PUMPER	3	2	3	5	M2346	B456	47.0504	8319	55T97	63000000	859
914.687-010	LABORER, PIPE-LINES	2	1	1	2	H34	0	47.0504	8769	59003	80002899	889
914.687-018	PUMPER HELPER	2	1	1	2	M34	B45	47.0504	8618	55T98	63000000	873
930.267-010	OIL-PIPE INSPECTOR	4	3	4	6	L456	B		7820	55B58	50142202	796
930.363-010	CLEAN-OUT DRILLER	3	2	2	5	M34	056		6520	55A60	61083609	614
930.364-010	OIL-PIPE-INSPECTOR HELPER	3	2	1	5	H346	B6		7820	56900	80002823	796
930.382-014	PIPE TESTER	3	3	2	5	M46	B6		7830	55Q57	50142205	797
930.382-018	PROSPECTING DRILLER	3	3	2	6	M45	056		6520	55C59	61081808	614
930.382-022	ROTARY DERRICK OPERATOR	3	2	2	5	M246	056		6520	55A88	61083616	614
930.382-026	ROTARY DRILLER	3	2	2	6	M34	056		6520	55A39 55C59	61081802 61081808	614
930.382-030	WELL PULLER	3	2	2	5	H346	05		8314	55D47	61083639	848
930.664-010	CASER	1	1	1	3	V2346	056		6560	55A48	61083606	617
930.664-014	CLEAN-OUT-DRILLER HELPER	2	1	1	3	H34	0456		8650	59002	63000000	867
930.682-010	CORE-DRILL OPERATOR	3	2	2	6	M4	B56	49.0204	6474	55C59	61081808	598
930.683-018	DERRICK WORKER, WELL SERVICE	2	1	1	3	H2346	056		8314	55A88	61083616	848
930.684-014	FLOOR WORKER, WELL SERVICE	2	1	1	3	H346	05		6560	59002	63000000	617
930.684-026	ROTARY-DRILLER HELPER	2	1	1	4	H234	056		8650	55C60	61081809	867
930.685-010	MUD-PLANT OPERATOR	3	2	2	4	H34	05		7664	55C02	61083626	756
930.687-010	BOTTOM-HOLE-PRESSURE-RECORDING-OPERATOR	2	2	1	3	M46	B		8650	59002	63000000	867
931.361-010	SAMPLE-TAKER OPERATOR	3	2	1	5	M46	B56		6530	55C70	61083633	615
931.361-014	SHOOTER	3	2	2	6	L45	056		6530	55C82	61080605	615
931.361-018	SHOOTER, SEISMOGRAPH	3	2	2	6	M45	06		6530	55C82	61080605	615
931.382-010	PERFORATOR OPERATOR, OIL WELL	3	2	2	6	H2346	B6		6530	53C19	61080604	615
931.384-010	GUN-PERFORATOR LOADER	3	2	2	5	V34	I6		6560	59002	63000000	617
931.684-010	DUMPER-BAILER OPERATOR	3	2	1	5	H234	056		6560	59002	63000000	617
932.363-010	HOIST OPERATOR	3	2	2	5	M234	06		8314	55A82	50140801	848
939.362-010	DISPATCHER, OIL WELL SERVICES	3	3	3	5	S45	I	07.0707	4751	62018	40061804	359
939.364-010	OBSERVER HELPER, SEISMIC PROSPECTING	2	2	1	4	M346	0		8650	56900	80002823	867
939.462-010	OIL-WELL-SERVICE OPERATOR	4	3	3	6	H34	056		8319	55A54	61083607	859
939.663-010	OBSERVER HELPER, GRAVITY PROSPECTING	2	2	1	3	M34	0	49.0205	8650	54002	62002201	867
939.682-014	PNEUMATIC-JACK OPERATOR	3	2	2	5	H4	04		6560	59002	63000000	617
939.684-018	OIL-WELL-SERVICE-OPERATOR HELPER	3	2	2	5	H2346	056		8319	59002	63000000	859
939.687-018	LABORER	1	1	1	1	V234	0456		8769	59003	80002899	889
939.687-030	SAMPLE WASHER	1	1	1	2	L4	I4		7840	59003	80002899	798
950.382-022	ROTARY-RIG ENGINE OPERATOR	4	3	3	7	M34	05	47.0502	6932	55C91	50144014	695

PROGRAM: 47.0399 INDUSTRIAL EQUIPMENT MAINTENANCE AND REPAIR, OTHER.

ANY INSTRUCTIONAL PROGRAM IN INDUSTRIAL EQUIPMENT MAINTENANCE AND REPAIR NOT DESCRIBED ABOVE.

PROGRAM: 47.0400 MISCELLANEOUS MECHANICS AND REPAIRERS. A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS FOR MECHANICS AND REPAIRER OCCUPATIONS OTHER THAN THOSE DESCRIBED UNDER THE HEADINGS OF ELECTRICAL AND ELECTRONICS EQUIPMENT REPAIR; HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS; INDUSTRIAL EQUIPMENT MAINTENANCE AND REPAIR; STATIONARY ENERGY SOURCES; AND VEHICLE AND MOBILE EQUIPMENT MECHANICS AND REPAIRERS.

PROGRAM: 47.0401 ELECTROMECHANICAL, HYDRAULIC, AND PNEUMATIC INSTRUMENT REPAIR. AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO MAINTAIN AND REPAIR VARIOUS TYPES OF METERS, MEASURING DEVICES, AND CONTROL DEVICES SUCH AS HEATING AND AIR-CONDITIONING CONTROLS; DIAL PRESSURE GAUGES; SCALES AND BALANCES; ELECTRICAL CONTROLLING, MEASURING AND RECORDING DEVICES; AND OPTICAL, AERONAUTICAL AND NAVIGATIONAL INSTRUMENTS. INCLUDES INSTRUCTION IN DIAGNOSING MALFUNCTIONS; DISASSEMBLING, REPAIRING, AND/OR REPLACING FAULTY PARTS; AND CLEANING, ASSEMBLING, AND ADJUSTING INSTRUMENTS USING SPECIAL BENCH TOOLS, HAND TOOLS, AND OTHER METERS AND STANDARDS.

DICTIONARY OF OCCUPATIONAL TITLES CODE	FOURTH EDITION TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
621.381-018	MECHANIC, FLOWMETER TEST AND CERTIFICATI	4	3	3	7	L46	I	47.0602	6175	51900	50083299	539
621.381-022	PNEUMATIC TESTER AND MECHANIC	3	3	3	6	M3456	I	47.0602	6175	51002	50080400	539
622.381-010	AIR-VALVE REPAIRER	3	2	2	6	L4	I		6175	51900	50083299	539
622.382-010	TRIPLE-AIR-VALVE TESTER	3	3	3	7	M4	I5		7830	55Q57	50142205	797
622.684-010	AIR-COMPRESSOR MECHANIC	3	3	3	6	L46	I	47.0302	6117	51066	50082803	516
630.381-030	VALVE REPAIRER	3	3	3	6	M46	I		6175	51900	50083299	539
633.281-026	SCALE MECHANIC	4	3	3	7	M34	I		6171	51900	50083299	535
637.261-022	INDUSTRIAL-GAS SERVICER	4	3	3	7	M346	B	47.0303 47.0304	6175	55B62	50083221	539
637.384-010	INDUSTRIAL-GAS-SERVICER HELPER	3	2	2	4	M34	B	47.0303	8637	56900	80002823	864
638.381-010	FUEL-SYSTEM-MAINTENANCE WORKER	3	3	3	7	H346	B67	47.0602	6116	51900	50083299	515
692.685-218	THERMOSTAT-ASSEMBLY-MACHINE TENDER, AUTO	2	1	2	4	L46	I		7720	55E22	61080440	785
701.684-010	CALIBRATOR	2	1	2	4	L4	I		6171	59002	63000000	535
706.684-066	INSTRUMENT-PANEL ASSEMBLER	3	2	3	4	L46	I	47.0602	7720	55E22	61080440	785
710.281-008	INSTRUMENT-TECHNICIAN APPRENTICE	4	3	3	8	L2346	I56		6171	55B62	50083221	535
710.281-010	ASSEMBLER AND TESTER, ELECTRONICS	4	3	3	6	L46	I		6881	55E22	61080440	689
710.281-014	ELECTRICAL INSPECTOR	4	4	4	6	L46	I		6881	55B58	50142202	689
710.281-022	GAS-METER PROVER	3	3	3	7	M46	I		6175	51900	50083299	539
710.281-026	INSTRUMENT MECHANIC	4	3	4	7	L2346	I6	47.0502 47.0503	6171	55B62	50083221	535
710.281-030	INSTRUMENT TECHNICIAN	4	3	3	8	L2346	I56	15.0403 15.0404 47.0502 47.0503	6171	55B62	50083221	535
710.281-034	METER REPAIRER	4	2	3	5	M346	B45		6175	51900	50083299	539
710.281-038	TAXIMETER REPAIRER	4	3	3	6	L46	I	47.0604	6171	55B62	50083221	535
710.360-010	SCALE ASSEMBLY SET-UP WORKER	4	4	3	7	L456	I	48.0507	7329	59001	50144899	715
710.361-010	MODEL MAKER, SCALE	4	3	3	7	L46	I	48.0504	6817	59001	50144899	645
710.367-010	ROVING INSPECTOR	3	2	2	5	L46	I		7820	55B58	50142202	796
710.381-010	ASSEMBLER	3	2	2	5	L46	I		7720	55E22	61080440	785
710.381-014	BALANCER, SCALE	4	2	2	6	L46	I		6882	55B62	50083221	693
710.381-018	ELECTROMECHANICAL INSPECTOR	4	3	4	7	L46	I		6881	55B58	50142202	689

*** PROGRAM: 47.0401 ELECTROMECHANICAL, HYDRAULIC, AND PHEUMATIC INSTRUMENT REPAIR. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
710.381-022	GAS-METER MECHANIC 1	3	3	3	5	L46	I		6175	51900	50083299	539
710.381-026	GAS-REGULATOR REPAIRER	4	3	3	7	M46	I		6175	55B62	50083221	539
710.381-030	HYDROMETER CALIBRATOR	3	2	2	6	L46	I		6171	59002	63000000	535
710.381-034	INSPECTOR	4	3	3	6	L46	I5	15.0404	6881	55B58	50142202	689
710.381-038	INSPECTOR, MECHANICAL AND ELECTRICAL	4	3	3	7	L46	I		6881	55B58	50142202	689
710.381-042	INSTRUMENT MECHANIC	4	3	3	3	L46	I		6171	55B62	50083221	535
710.381-046	TESTER, ELECTRONIC SCALE	3	2	2	6	L46	I		6881	55Q57	50142205	689
710.381-050	THERMOSTAT REPAIRER	3	2	2	5	M46	I		6175	55B62	50083221	539
710.384-010	GAS-REGULATOR-REPAIRER HELPER	3	2	2	5	M2346	B67		8637	56900	80002823	864
710.384-014	INSPECTOR	4	3	3	7	L46	I		7820	55B58	50142202	796
710.384-018	INSTRUMENT-REPAIRER HELPER	3	2	2	5	M2346	B456		8632	56900	80002823	864
710.384-022	METER INSPECTOR	3	3	3	4	L346	B		7820	55B58	50142202	796
710.384-026	PARKING-METER SERVICER	3	2	2	4	M346	O		6179	51900	50083299	547
710.384-030	THERMOMETER TESTER	3	2	2	5	L46	I		7830	55Q57	50142205	797
710.387-010	TESTER, REGULATOR	3	2	2	4	L46	I5		7830	55Q57	50142205	797
710.681-010	ASSEMBLER	3	2	2	5	L46	I		7720	55E22	61080440	785
710.681-014	CALIBRATCR 1	3	2	2	4	L46	I		7720	59002	63000000	785
710.681-018	REGISTER REPAIRER	3	2	2	6	L46	I		6171	51900	50083299	535
710.681-022	REPAIRER, GYROSCOPE	3	2	2	6	L46	I		6171	55B62	50083221	535
710.681-026	THERMOMETER MAKER	3	2	2	4	L46	I		6869	59002	63000000	684
710.684-022	FILLER	3	1	1	5	L46	I		7820	55Q57	50142205	796
710.684-026	GAS-METER MECHANIC 2	2	1	1	3	L46	I	47.0504	6171	51900	50083299	535
710.684-030	INSTRUMENT-TECHNICIAN HELPER	3	2	2	4	L2346	I356	47.0502 47.0503	8637	56900	80002823	864
710.684-034	METER-REPAIRER HELPER	3	1	1	4	L346	I		8637	59002	63000000	864
710.687-026	INSTRUMENT CHECKER	3	1	1	3	L46	I		7820	55Q57	50142205	796
710.687-030	SPEEDOMETER INSPECTOR	3	2	2	4	L46	I		7820	55B58	50142202	796
711.281-014	INSTRUMENT MECHANIC, WEAPONS SYSTEM	4	3	3	8	M46	I	48.0603	6171	51037	50083210	535
719.684-010	ASSEMBLER, REGULATORS	2	1	1	3	L46	I		7720	55E22	61080440	785
722.681-010	ELECTRONIC-SENSING-EQUIPMENT ASSEMBLER	3	2	2	4	M46	I		7720	55E22	61080440	785
729.281-014	ELECTRIC-METER REPAIRER	4	2	3	7	L46	I		6171	55B62	50083221	535
729.281-018	ELECTRIC-METER-REPAIRER APPRENTICE	4	2	3	7	L46	I		6171	55B62	50083221	535
729.281-026	ELECTRICAL-INSTRUMENT REPAIRER	4	3	3	6	L46	I		6171	51023	50083206	535
729.281-034	INSIDE-METER TESTER	4	3	3	7	L46	I		6171	51900	50083299	535
729.384-014	FARE-REGISTER REPAIRER	3	2	2	6	L46	I		6179	51900	50083299	547
869.281-014	HOUSE BUILDER	3	3	3	7	M2346	B6	46.0201	6479	59001	50144899	599
953.281-010	FIELD-MECHANICAL-METER TESTER	4	4	4	8	M346	B6	15.0403	6175	55I57	50144824	539

PROGRAM: 47.0402 GUNSMITHING.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO REPAIR AND MODIFY FIREARMS ACCORDING TO BLUEPRINTS OR CUSTOMER SPECIFICATIONS, USING SPECIALIZED HAND TOOLS AND MACHINES. INCLUDES INSTRUCTION IN INSTALLING SUCH PARTS AS METALLIC OR OPTICAL SIGHTS, PISTOL GRIPS, RECOIL PADS, AND DECORATIVE PIECES AND IN REBORING, REBROACHING, GRINDING, POLISHING, BLUING, FABRICATING, AND FINISHING WOODEN STOCKS. PROGRAMS MAY PREPARE INDIVIDUALS TO DESIGN NEW GUNS AND TO CALCULATE DETAILED FIREARM SPECIFICATIONS, SUCH AS BULLET-FLIGHT ARC AND SIGHT POSITION.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
609.260-010	GUNSMITH, BALLISTICS LABORATORY	4	4	4	8	M46	I56	48.0503	7329	51032	50083208	715
612.384-010	INSPECTOR, COLD WORKING	3	3	3	4	M46	I		7820	55B58	50142202	796
632.281-010	GUNSMITH	4	3	3	8	L46	I		6179	51032	50083208	547
632.381-010	GUN SYNCHRONIZER	3	3	3	5	M456	I		6179	59002	63000000	547
632.381-014	INSPECTOR, FIREARMS	4	3	3	6	L46	I		6881	55B58	50142202	689
665.685-034	STOCK CHECKERER 2	2	1	1	2	L4	I		7639	59003	80002899	733
669.360-010	CHECKERING-MACHINE ADJUSTER	3	2	1	7	M3456	I	48.0703	6179	59001	50144899	547
669.682-050	INLETTER	3	1	2	4	L46	I5		7632	55R43	61086818	726
705.481-010	FILER, FINISH	3	2	2	5	M46	I	48.0503	6816	55B19	61082401	644
736.281-010	GUN EXAMINER	4	3	3	6	M46	I6		6881	55B58	50142202	689
736.381-010	ASSEMBLER 1	3	3	2	5	L46	I		6812	55E22	61080440	636
736.381-014	FITTER, VENTILATED RIB	3	2	2	5	M46	I		6882	55E22	61080440	693
736.384-010	PROOF INSPECTOR	3	2	2	3	L46	I56		7820	55B58	50142202	796
736.387-010	INSPECTOR, ASSEMBLY	3	2	2	4	L46	I		7820	55B58	50142202	796
736.481-010	SIGHT MOUNTER	3	3	2	5	L46	I		6882	55E22	61080440	693
736.587-010	BARREL LOADER AND CLEANER	2	1	1	2	M4	I56		8769	59003	80002899	889
736.684-010	ALINER, BARREL AND RECEIVER	3	2	1	3	M46	I5		7720	55E22	61080440	785
736.684-014	ASSEMBLER 2	2	1	1	3	L46	I		7720	55E22	61080440	785
736.684-018	BARREL FINISHER	2	1	2	4	M46	I		7758	55B19	61082401	794
736.684-022	BARREL REPAIRER	2	1	1	5	M46	I		6179	59002	63000000	547
736.684-026	BARREL STRAIGHTENER 1	3	1	2	4	L46	I		7720	59002	63000000	785
736.684-030	FRONT-SIGHT ATTACHER	2	1	1	2	L46	I		7740	55E22	61080440	785
736.684-038	SOLDERER, BARREL RIBS	2	1	1	3	L4	I	48.0508	7717	55D46	61022002	784
736.684-042	TARGETEER	3	1	1	3	L46	I56		7830	55Q57	50142205	797
736.687-010	GREASER	1	1	1	2	M4	I		8769	55C06	61084000	889
736.687-014	INSPECTOR, BARREL	2	1	2	3	L46	I		7820	55B58	50142202	796
736.687-018	INSPECTOR, LIVE AMMUNITION	1	1	1	2	L46	I6		7820	55B58	50142202	796
761.381-034	STOCK CHECKERER 1	3	2	3	5	L46	I		6839	59001	50144899	659
761.381-038	STOCK MAKER, CUSTOM	4	3	3	7	L46	I6		6839	59001	50144899	659
761.684-042	STOCK PATCHER	3	1	1	3	L46	I		6179	59002	63000000	547
761.684-046	STOCK SHAPER	2	1	1	3	M4	I		7720	59002	63000000	785

PROGRAM: 47.0403 LOCKSMITHING AND SAFE REPAIR.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO REPAIR AND OPEN LOCKS, MAKE KEYS, CHANGE LOCKS AND SAFE COMBINATIONS, AND INSTALL AND REPAIR SAFES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
706.684-070	LOCK ASSEMBLER	3	2	2	6	M46	I	48.0504	7720	55E22	61080440	785
706.684-074	LOCK ASSEMBLER	2	1	2	3	L46	I5		7720	55E22	61080440	785
706.684-078	LOCK INSTALLER	2	1	1	3	L4	I	48.0504	7720	55E22	61080440	785
709.281-010	LOCKSMITH	4	3	3	6	L345	I		6173	51040	50083212	536
709.281-014	LOCKSMITH APPRENTICE	4	3	3	6	L345	I		6173	51040	50083212	536
709.684-050	KEY CUTTER	2	2	2	2	L46	I5		7529	59003	80002859	715
869.381-022	SAFE-AND-VAULT SERVICE MECHANIC	3	3	3	7	H346	I		6173	51900	50083299	536

PROGRAM: 47.0404 MUSICAL INSTRUMENT REPAIR.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO MAINTAIN, REPAIR, AND TUNE ACOUSTIC AND ELECTRICAL MUSICAL INSTRUMENTS. INCLUDES INSTRUCTION IN AMPLIFICATION SYSTEMS OF ELECTRIC INSTRUMENTS, TECHNIQUES OF CLEANING, AND METHODS OF TUNING MUSICAL INSTRUMENTS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
730.281-014	ACCORDION REPAIRER	4	3	3	7	M456	I		6172	55C07	50144826	535
730.281-018	ELECTRIC-ORGAN INSPECTOR AND REPAIRER	4	3	4	6	L45	I		6881	55C07	50144826	689
730.281-022	FRETTED-INSTRUMENT MAKER, HAND	4	3	4	8	L456	I		6861	59001	50144899	675
730.281-026	FRETTED-INSTRUMENT REPAIRER	4	3	3	6	M456	I		6172	55C07	50144826	535
730.281-030	HARP MAKER	4	4	3	8	H3456	I		6861	59001	50144899	675
730.281-034	HARPSICHORD MAKER	4	3	3	6	H456	I		6861	59001	50144899	675
730.281-038	PIANO TECHNICIAN	3	2	2	7	M3456	I		6172	55C07	50144826	535
730.281-042	PIPE-ORGAN BUILDER	4	3	3	8	H2345	I6		6839	59001	50144899	659
730.281-046	VIOLIN MAKER, HAND	4	3	3	8	L456	I		6861	59001	50144899	675
730.281-050	VIOLIN REPAIRER	4	2	2	7	L456	I		6172	55C07	50144826	535
730.281-054	WIND-INSTRUMENT REPAIRER	4	2	2	7	M456	I		6172	55C07	50144826	535
730.361-010	PIANO TUNER	3	2	3	5	L345	I		6172	55C07	50144826	535
730.361-014	PIPE-ORGAN TUNER AND REPAIRER	4	3	3	8	M23456	I5		6172	55C07	50144826	535
730.367-010	FINAL INSPECTOR	3	2	3	5	L456	I		7820	55B58	50142202	796
730.381-010	ACCORDION TUNER	3	2	2	6	L45	I		6172	55C07	50144826	535
730.381-014	BELL MAKER	3	1	2	7	M46	I		6821	55E22	61080440	646
730.381-018	BRASS-WIND-INSTRUMENT MAKER	4	4	4	7	M46	I5		6812	55E22	61080440	636
730.381-022	ELECTRIC-ORGAN ASSEMBLER AND CHECKER	3	2	2	6	L4	I		6867	55E22	61080440	683
730.381-026	HARP REGULATOR	3	2	1	6	M45	I		6172	55C07	50144826	535
730.381-030	HARP-ACTION ASSEMBLER	4	2	2	6	M46	I		6812	55E22	61080440	636
730.381-034	METAL-REED TUNER	3	2	2	7	L345	I		6172	55C07	50144826	535
730.381-038	ORGAN-PIPE VOICER	4	2	2	7	M2345	I5		6172	55C07	50144826	535
730.381-042	PERCUSSION-INSTRUMENT REPAIRER	3	2	2	6	M46	I5		6172	55C07	50144826	535
730.381-046	PIPE-ORGAN INSTALLER	4	3	3	7	M2346	I6		6812	55E22	61080440	636
730.381-050	PLAYER-PIANO TECHNICIAN	3	3	3	4	H346	I5		6869	59001	50144899	684
730.381-054	TROMBONE-SLIDE ASSEMBLER	3	2	2	7	L46	I		6812	55E22	61080440	636
730.381-058	TUNER, PERCUSSION	3	2	2	6	M5	I		6172	55C07	50144826	535
730.384-010	ASSEMBLER, PIANO	3	2	2	4	L46	I		7720	55E22	61080440	785
730.681-010	PIANO REGULATOR-INSPECTOR	3	2	3	5	L46	I		6172	55C07	50144826	535
730.681-014	PISTON MAKER	3	2	2	5	L4	I5		6869	55E22	61080440	684
730.681-018	VALVE MAKER 2	3	2	2	6	L46	I		7529	55E22	61080440	715

*** PROGRAM: 47.0404 MUSICAL INSTRUMENT REPAIR. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
730.682-010	SOCKET PULLER	3	1	1	4	M4	I		7529	59002	63000000	715
730.684-010	ASSEMBLER, MUSICAL INSTRUMENTS	3	2	2	3	L46	I		7720	55E22	61080440	785
730.684-014	BELL-NECK HAMMERER	2	1	1	2	M4	I5		7740	59003	80002899	785
730.684-018	BELLY BUILDER	3	3	3	3	H46	I5		7720	55E22	61080440	785
730.684-022	BOW REHAIRER	3	1	1	6	S46	I		6172	55C07	50144826	535
730.684-026	CHIP TUNER	3	2	3	3	M45	I		6172	55C07	50144826	535
730.684-030	CONSOLE ASSEMBLER	3	2	2	4	M46	I		7720	55E22	61080440	785
730.684-034	FRETTED-INSTRUMENT INSPECTOR	3	2	2	4	L45	I5		7820	55B58	50142202	796
730.684-038	INSPECTOR, WOODWIND INSTRUMENTS	3	2	2	4	L46	I		7820	55B58	50142202	796
730.684-042	KEYBOARD-ACTION ASSEMBLER	3	2	2	4	L4	I		7720	55E22	61080440	785
730.684-046	MANUAL WINDER	3	2	2	3	L46	I		7720	55E22	61080440	785
730.684-050	MUSICAL-STRING MAKER	3	1	1	4	L4	I		7720	59002	63000000	785
730.684-054	PIANO STRINGER	2	1	2	4	M46	I		7720	55E22	61080440	785
730.684-058	PREASSEMBLER AND INSPECTOR	2	1	1	4	L4	I		7820	55E22	61080440	796
730.684-062	RACKER, OCTAVE BOARD	3	2	2	3	L4	I		7720	55E22	61080440	785
730.684-066	SANDER-AND-BUFFER	2	1	2	3	L46	I7		7758	55N60	61082410	794
730.684-070	SEAM HAMMERER	3	1	1	3	L4	I5		7529	59002	63000000	715
730.684-074	SHEET-METAL-PATTERN CUTTER	2	2	1	3	L46	I	48.0506	7529	59002	63000000	715
730.684-078	SLIDING-JOINT MAKER	3	2	2	3	L4	I5		7720	59002	63000000	785
730.684-082	STOPBOARD ASSEMBLER	3	3	3	4	L46	I		7720	55E22	61080440	785
730.684-086	TESTER	3	2	2	6	L456	I		7830	55Q57	50142205	797
730.684-090	TONE CABINET ASSEMBLER	3	2	2	3	M346	I		7720	55E22	61080440	785
730.684-094	TONE REGULATOR	2	1	1	4	L45	I		6172	55C07	50144826	535
730.685-010	LOOPER	2	1	2	3	L46	I		7679	59002	63000000	777
730.685-014	MOUTHPIECE MAKER	3	2	2	3	L46	I		7720	59002	63000000	785
730.686-010	CUTTER, WOODWIND REEDS	2	1	1	2	L4	I		7678	55T66	61081403	769
828.261-010	ELECTRONIC-ORGAN TECHNICIAN	4	3	3	6	L3456	I5		6155	59002	63000000	523

PROGRAM: 47.0405 OPERATION, MAINTENANCE, AND REPAIR OF AUDIO-VISUAL EQUIPMENT.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO OPERATE AND REPAIR OVERHEAD PROJECTORS, SLIDE PROJECTORS, SILENT AND SOUND MOTION PICTURE PROJECTORS, VIDEO RECORDERS AND REPRODUCTION EQUIPMENT, AND SOUND EQUIPMENT.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
714.281-010	AIRCRAFT-PHOTOGRAPHIC-EQUIPMENT MECHANIC	4	4	4	8	L46	B		6171	51017	50083203	535
714.281-014	CAMERA REPAIRER	4	4	4	8	S46	I		6171	51017	50083203	535
714.281-018	MACHINIST, MOTION-PICTURE EQUIPMENT	4	4	4	8	M46	I	48.0503	6813	55B84	50061206	637
714.281-022	PHOTOGRAPHIC EQUIPMENT TECHNICIAN	4	4	4	8	L46	I		6171	51017	50083203	535
714.281-026	PHOTOGRAPHIC-EQUIPMENT-MAINTENANCE TECHN	4	3	4	7	L46	I		6171	51900	50083299	535
714.381-010	ASSEMBLER, PHOTOGRAPHIC EQUIPMENT	4	3	3	7	M46	I	47.0105	6869	55E22	61080440	684
714.381-014	INSPECTOR, PHOTOGRAPHIC EQUIPMENT	4	3	3	6	L46	I		6881	55B58	50142202	689
714.684-010	ASSEMBLER, PRODUCTION LINE	3	2	2	4	L46	I		7720	55E22	61080440	785
714.684-014	BELLOWS MAKER	3	2	2	4	L46	I		7720	51017	50083203	785
720.281-014	TAPE-RECORDER REPAIRER	4	3	2	7	M456	I	47.0103	6155	51055	50082600	523
729.281-010	AUDIO-VIDEO REPAIRER	4	3	3	6	L46	I	47.0103	6151	51900	50083299	523
826.261-010	FIELD-SERVICE ENGINEER	4	4	3	8	L46	I		6171	51900	50083299	535

PROGRAM: 47.0406 SHOE AND BOOT REPAIR.
-------------------- AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO REPAIR ALL TYPES OF FOOTWEAR, INCLUDING REPLACEMENT AND MENDING OF WORN OR TORN PARTS; REPAIRING ORTHOPEDIC FOOTWEAR; REFINISHING AND DYEING LEATHER; AND REPAIRING OTHER LEATHER GOODS SUCH AS HANDBAGS, BELTS, AND LUGGAGE.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
221.387-010	BACK-SHOE WORKER	3	2	3	4	L46	I		4752	62003	40062400	363
364.684-014	SHOE DYER	2	2	1	3	L46	I7		7759	53029	50143601	795
365.361-014	SHOE REPAIRER	3	2	1	7	L46	I		6854	53030	50143602	669
365.674-010	SHOE-REPAIRER HELPER	2	2	1	4	L4	I		8619	56900	80002823	873
581.686-026	DRYING-RACK CHANGER	2	1	1	2	L46	I		8725	59003	80002899	878
583.686-026	OUTSOLE FLEXER	1	1	1	2	L34	I		8725	59003	80002899	878
585.685-030	CONCAVING-MACHINE OPERATOR	2	1	2	2	L4	I56		7659	55D94	61085439	749
585.685-082	ROTARY CUTTER	2	1	2	3	M46	I5		7654	55T66	61081403	743
585.685-110	SKIVER, BLOCKERS	2	1	2	2	L46	I		7659	55D04	61088410	749
585.685-114	SPLITTER, MACHINE	2	1	1	2	L46	I5		7659	55S67	61085441	749
585.685-118	STRIPPING CUTTER AND WINDER	2	1	2	3	M46	I		7654	59002	63000000	743
590.685-038	HEEL SPRAYER, MACHINE	2	1	2	3	L46	I		7669	59002	63000000	759
662.685-042	WOOD-HEEL BACK-LINER	2	1	1	2	L4	I5		7634	55H60	61082410	733
681.685-022	BOBBIN WINDER, MACHINE	1	1	1	2	L4	I5		7651	55E90	61040604	738
690.462-010	OUTSOLE CUTTER, AUTOMATIC	3	2	2	4	M46	I5		7478	55T66	61081403	769
690.682-010	ARCH-CUSHION-SKIVING-MACHINE OPERATOR	3	2	2	4	M4	I		7478	55D04	61088410	769
690.682-018	BED LASTER	3	2	2	5	L4	I		7679	55E63	61085402	777
690.682-038	FOXING-CUTTING-MACHINE OPERATOR, AUTOMAT	3	2	2	4	L24	I		7478	59002	63000000	769
690.682-042	HEEL BREASTER, LEATHER	3	2	2	4	L46	I6		7478	59002	63000000	769
690.682-046	HEEL-SEAT FITTER, MACHINE	3	2	2	4	L46	I6		7478	55J94	61085415	769
690.682-050	HOT-DIE-PRESS OPERATOR	3	2	2	4	L4	I6		7478	55H64	61081424	769
690.682-070	SOLE-CONFORMING-MACHINE OPERATOR	3	2	2	4	L46	I5		7679	55S71	61085444	777
690.682-078	STITCHER, SPECIAL MACHINE	3	2	2	4	L46	I5		7656	55Q15	61085430	745
690.682-082	STITCHER, STANDARD MACHINE	3	2	2	4	L46	I5		7656	55Q16 55Q17	61085431 61085432	745
690.682-086	TRIMMER, MACHINE 2	3	2	2	4	L46	I		7678	55D94	61085439	769
690.685-010	ASSEMBLER FOR PULLER-OVER, MACHINE	2	1	2	3	M46	I5		7679	55E25	61085401	777
690.685-018	BACK-STRIP-MACHINE OPERATOR	1	1	1	2	L4	I		7679	59003	80002899	777
690.685-034	BOTTOM PRESSER	2	1	2	2	M46	I5		7679	55P61	61085423	777
690.685-046	BUFFER	2	1	1	3	L46	I5		7679	55F24	61085404	777
690.685-050	BUFFER, AUTOMATIC	1	1	1	2	L4	I5		7677	55F24	61085404	768
690.685-054	BUFFER, INFLATED-PAD	2	1	1	3	L34	I		7679	55F24	61085404	777
690.685-058	BURNISHER	1	1	1	3	L46	I5		7679	55F32	61087817	777
690.685-070	CEMENTER AND FOLDER, MACHINE	2	1	2	3	L46	I5		7661	55F91	61085405	753
690.685-074	CEMENTER, MACHINE JOINER	2	1	2	2	L46	I5		7659	55F91	61085405	749
690.685-082	CHANNEL OPENER, OUTSOLES	1	1	1	2	L4	I		7679	59003	80002899	777
690.685-086	CHANNELER, INSOLE	2	1	2	3	L46	I5		7659	59002	63000000	749
690.685-094	COUNTER CUTTER	2	1	2	3	M46	I5		7654	55H64	61081424	743
690.685-098	COUNTER FORMER	2	1	2	2	L46	I5		7659	59003	80002899	749
690.685-102	COUNTER MOLDER	3	1	2	3	L46	I5		7679	59002	63000000	777
690.685-106	COUNTER ROLLER	2	1	1	2	L46	I5		7679	55D04	61088410	777
690.685-110	CUT-OUT-AND-MARKING-MACHINE OPERATOR	2	1	1	3	L46	I5		7679	55D94	61085439	777
690.685-114	CUT-OUT-MACHINE OPERATOR	2	1	1	2	L46	I5		7654	55G16	61085407	743
690.685-126	DESKIDDING-MACHINE OPERATOR	2	1	2	2	L46	I		7678	55T66	61081403	769
690.685-138	EDGE BURNISHER, UPPERS	2	1	1	3	L46	I5		7659	55F32	61087817	749
690.685-146	EDGE SETTER	2	1	2	3	M46	I5		7679	55F32	61087817	777

*** PROGRAM: 47.0406 SHOE AND BOOT REPAIR. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
690.685-150	EDGE TRIMMER	2	1	1	4	L46	I5		7679	55D94	61085439	777
690.685-158	EMBOSSER	2	1	2	2	L46	I5		7679	55T79	63000000	777
690.685-162	FASTENER, MACHINE	2	1	2	2	L46	I5		7679	55568	61085442	777
690.685-166	FEATHEREDGER AND REDUCER, MACHINE	2	1	2	2	L46	I5		7679	55D04	61088410	777
690.685-174	FOLDER, MACHINE	2	1	2	3	L46	I		7659	55I89	61085409	749
690.685-186	FOREPART LASTER	2	1	2	2	L46	I5		7679	55573	61085445	777
690.685-198	GROOVER AND TURNER	2	1	2	2	L46	I56		7678	55T66	61081403	769
690.685-206	HEEL BUILDER, MACHINE	2	1	2	3	L46	I5		7659	55J91	61085412	749
690.685-210	HEEL COMPRESSOR	1	1	1	2	L46	I56		7659	59003	80002899	749
690.685-214	HEEL GOUGER	2	1	2	3	L4	I		7678	55J94	61085415	769
690.685-218	HEEL PRICKER	2	1	2	3	L4	I5		7679	59002	63000000	777
690.685-222	HEEL SCORER	2	1	2	2	L4	I		7679	59003	80002899	777
690.685-230	HEEL-SEAT LASTER, MACHINE	2	1	2	3	L46	I5		7679	55J92	61085413	777
690.685-234	INKER, MACHINE	2	1	2	2	L46	I5		7679	55K18	61085416	777
690.685-238	INSEAM TRIMMER	2	1	2	2	L4	I5		7679	55D94	61085439	777
690.685-242	INSOLE BEVELER	2	1	1	2	L46	I		7678	55D04	61088410	769
690.685-246	INSOLE REINFORCER	2	1	1	3	L4	I5		7659	55D94	61085439	749
690.685-250	JOINT CUTTER, MACHINE	2	1	1	2	L46	I5		7679	59003	80002899	777
690.685-254	LACER 2	2	1	2	2	L46	I5		7679	59003	80002899	777
690.685-270	LIP CUTTER AND SCORER	2	1	2	2	L46	I		7679	55T79	63000000	777
690.685-274	LIP-OF-SHANK CUTTER	2	1	1	2	L46	I5		7678	55T66	61081403	769
690.685-278	LUMITE INJECTOR	2	2	2	2	L4	I		7679	59003	80002899	777
690.685-282	MARKER, MACHINE	2	1	2	3	L46	I5		7679	55T79	63000000	777
690.685-294	MOLDER, LABELS	2	1	1	2	L4	I		7667	55T79	63000000	758
690.685-298	NICKER	2	1	2	2	L46	I5		7678	55D04	61088410	769
690.685-314	POUNDER	2	1	1	3	L46	I5		7679	59002	63000000	777
690.685-334	ROUGH-ROUNDER, MACHINE	2	1	2	3	L46	I5		7679	55N37	61085423	777
690.685-338	ROUNDER	2	1	2	3	L46	I5		7678	55D94	61085439	769
690.685-350	SEAM-RUBBING-MACHINE OPERATOR	2	1	1	2	L46	I5		7679	55N81	61085424	777
690.685-358	SIDE LASTER, CEMENT	2	1	1	3	L46	I5		7659	55P21	61089089	749
690.685-362	SIDE LASTER, STAPLE	2	1	2	3	L46	I5		7679	55P21	61089089	777
690.685-378	SKIVER, MACHINE	2	1	2	3	L46	I5		7679	55D04	61088410	777
690.685-382	SOLE LEVELER, MACHINE	2	1	2	2	L46	I5		7679	55P61	61085428	777
690.685-394	SPORT-SHOE-SPIKE ASSEMBLER	2	1	2	3	L46	I5		7679	55E22	61080440	777
690.685-398	STAMPING-MACHINE OPERATOR	2	1	2	4	L46	I5		7679	55T79	63000000	777
690.685-406	STRING LASTER	2	1	2	2	M46	I36		7679	59003	80002899	777
690.685-410	TACK PULLER, MACHINE	1	1	1	2	L4	I5		7679	59003	80002899	777
690.685-414	TAPER, MACHINE	2	1	2	3	L46	I5		7659	59002	63000000	749
690.685-418	TIP FINISHER	2	1	2	2	L46	I		7679	55G16	61085407	777
690.685-426	TOE FORMER, STITCHDOWNS	2	1	1	3	L46	I5		7679	59002	63000000	777
690.685-430	TOE LASTER, AUTOMATIC	2	1	2	3	L46	I5		7659	55Q76	61089090	749
690.685-434	TRIMMER, MACHINE 1	2	1	1	3	L46	I5		7678	55D94	61085439	769
690.685-462	VULCANIZER	2	1	1	2	L4	I		7659	55R16	61088412	749
690.685-466	VULCANIZING-PRESS OPERATOR	2	1	1	3	L4	I		7667	55R16	61088412	758
690.685-470	WELT BEATER	2	1	2	3	L4	I5		7679	59002	63000000	777
690.685-474	WELT BUTTER, MACHINE	2	1	2	2	L4	I5		7659	59003	80002899	749
690.685-478	WELT CUTTER	2	1	2	4	L46	I		7654	55T66	61081403	743
690.685-482	WELT WHEELER	2	1	2	2	L46	I5		7679	55T79	63000000	777
690.685-486	WIDTH STRIPPER	2	1	2	3	L46	I5		7659	55T66	61081403	749
690.686-018	CEMENTER, MACHINE APPLICATOR	1	1	1	2	L4	I		8725	55569	61085443	878

*** PROGRAM: 47.0406 SHOE AND BOOT REPAIR. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES CODE	FOURTH EDITION TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
690.686-066	TOGGLE-PRESS FOLDER-AND-FEEDER	1	1	1	2	L4	I		7659	59003	80002899	749
692.682-010	ANKLE-PATCH MOLDER	3	2	3	4	L4	I6		7679	59002	63000000	777
692.685-050	CEMENTER, MACHINE	1	1	1	2	L46	I		7661	55F91	61085405	753
699.682-022	DIE CUTTER	3	2	3	4	L46	I		7678	55H64	61081424	769
699.685-014	CUTTER, MACHINE 2	2	1	2	2	L46	I		7678	55T66	61081403	769
699.685-018	EYELET-MACHINE OPERATOR	2	1	1	2	L46	I		7659	55S70	63000000	749
739.684-106	LAST REMODELER-REPAIRER	3	2	2	4	M46	I		6179	51900	50083299	547
739.684-110	LAST REPAIRER	2	1	1	3	M46	I5		6179	51900	50083299	547
739.684-114	LAST-REPAIRER HELPER	2	1	1	2	L4	I		8637	56900	80002823	864
751.684-018	CUTTER, HOT KNIFE	2	1	2	3	L46	I		7753	55S78	63000000	786
751.684-022	FOXING CUTTER, HOT KNIFE	2	1	1	2	L4	I		7753	55S78	63000000	786
753.381-010	BOOTMAKER, HAND	3	2	2	4	L46	I		6869	59001	50144899	684
753.584-010	MACHINE-MADE-SHOE UNIT WORKER	2	1	2	2	L46	I36		7754	59003	80002899	787
753.587-010	SORTER	2	1	1	2	L4	I		7850	55P63	61060405	799
753.684-010	BUFFING-AND-SUEDING-MACHINE OPERATOR	2	1	1	2	L4	I		7677	55F24	61085404	677
753.684-014	CUT-AND-COVER LINE WORKER	2	1	1	2	L46	I		7720	55E22	61080440	785
753.684-018	HOOKER-LASTER	2	1	2	3	L4	I6		7720	59002	63000000	785
753.684-022	LASTER	2	1	2	3	L4	I		7720	59002	63000000	785
753.684-026	REPAIRER	2	1	1	4	L46	I		6179	53030	50143602	547
753.684-030	ROLLER-STITCHER	2	1	1	2	L4	I		7740	59003	80002899	785
753.687-010	CLIPPER	2	1	1	2	L4	I		8769	59003	80002899	889
753.687-014	DEBRANDER	1	1	1	2	L4	I		7740	59003	80002899	785
753.687-018	FINAL INSPECTOR	3	2	2	3	L4	I		7820	55B58	50142202	796
753.687-026	MAKING-LINE WORKER	2	1	2	3	L46	I		7720	59002	63000000	785
753.687-030	MOLD FILLER AND DRAINER	2	1	1	2	L4	I		7740	59003	80002899	785
761.381-018	LAST-MODEL MAKER	4	4	4	6	M46	I7		6839	59002	63000000	659
783.682-014	SEWING-MACHINE OPERATOR	3	1	1	4	M46	I5	20.0303	7655	55C78	61085205	744
783.684-022	LEATHER CUTTER	3	2	2	4	L46	I	20.0303	7753	55S78	63000000	786
783.684-026	LEATHER WORKER	3	2	2	5	M46	I		7720	55K70	61089031	785
783.684-030	UTILITY BAG ASSEMBLER	2	1	2	2	L46	I5		7720	55E22	61080440	785
788.222-010	INSTRUCTOR	4	3	4	6	L456	I5		2390	55T77	50144811	159
788.261-010	ORTHOPEDIC-BOOT-AND-SHOE DESIGNER AND MA	4	3	4	7	L456	I		6854	59001	50144899	669
788.281-010	DESIGNER AND PATTERNMAKER	4	4	3	7	L46	I		6856	55M08	63000000	673
788.381-010	COBBLER	3	1	2	5	M46	I5		6854	55G49	50143603	669
788.381-014	SHOEMAKER, CUSTOM	4	3	3	6	L46	I		6854	55S86	50144817	669
788.384-010	INSPECTOR	3	2	2	4	M46	I5		7820	55B58	50142202	796
788.387-010	UPPER-LEATHER SORTER	3	2	2	4	M346	I		7850	55P63	61060405	799
788.584-010	HEEL SORTER	3	2	2	4	L46	I		7850	55P63	61060405	799
788.584-014	MARKER, HAND	2	1	1	2	L46	I5		7759	55S77	61089092	795
788.587-010	JOB PUTTER-UP AND TICKET PREPARER	3	2	2	3	M346	I		7850	59002	63000000	799
788.667-010	ODD-SHOE EXAMINER	3	1	1	3	L456	I5		7820	55B58	50142202	796
788.684-010	ASSEMBLER FOR PULLER-OVER, HAND	3	1	1	3	L4	I5		7720	55E25	61085401	785
788.684-014	ASSEMBLER, SANDAL PARTS	2	1	2	2	L46	I5		7720	55E22	61080440	785
788.684-018	BINDING FOLDER, MACHINE	3	1	2	4	L46	I5		7720	59002	63000000	785
788.684-022	BLEMISH REMOVER	2	1	1	4	L46	I		6179	55N05	61085422	547
788.684-026	BOTTOM FILLER	2	1	1	2	M4	I5		7720	55F03	61085403	785
788.684-034	BOW MAKER	2	1	1	2	L4	I		7720	59003	80002899	785
788.684-038	BUTTONHOLE MAKER	2	1	1	3	L4	I		7753	55S78	63000000	786
788.684-042	CRIPPLE WORKER	3	1	1	3	L46	I5		7753	55S78	63000000	786
788.684-046	FINGER COBBLER	3	1	2	4	L46	I		6179	55N05	61085422	547

*** PROGRAM: 47.0406 SHOE AND BOOT REPAIR.

CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
788.684-050	FLAMER	2	1	1	2	M46	I5		7759	55I82	61089087	795
788.684-054	HAND SEWER, SHOES	2	1	1	2	L46	I5		7752	55P01	61085217	674
788.684-058	HEEL ATTACHER, WOOD	2	1	1	4	L4	I		7720	55J89	61085410	785
788.684-062	HEEL-SEAT FITTER, HAND	2	1	1	4	L4	I		7720	59002	63000000	785
788.684-066	INKER	2	1	1	2	M46	I		7756	55K18	61085416	789
788.684-070	INTERLACER	2	1	2	3	L4	I		7759	59002	63000000	795
788.684-074	LASTER, HAND	2	1	1	2	M46	I5		7720	55K54	61089088	785
788.684-078	LASTING-MACHINE OPERATOR, HAND METHOD	2	1	1	4	L4	I		7720	55K55	61085419	785
788.684-082	OUTSIDE CUTTER, HAND	3	2	2	4	L46	I		7753	55578	63000000	786
788.684-086	PULLER AND LASTER, MACHINE	2	1	2	3	L4	I		7720	55K55	61085419	785
788.684-090	PULLER OVER, MACHINE	2	1	1	4	L46	I5		7720	55M70	61085421	785
788.684-094	RASPER	2	1	1	2	L4	I		7720	59003	80002899	785
788.684-098	SAMPLE SHOE INSPECTOR AND REWORKER	3	1	2	5	L46	I		7759	55H05	61085422	795
788.684-102	SCREW REMOVER	2	1	1	2	L46	I5		7759	59003	80002899	795
788.684-106	SLIP LASTER	2	1	1	2	L46	I		7720	55E63	61085402	785
788.684-110	SOLE SEWER, HAND	3	1	3	6	L4	I		7752	55P01	61085217	674
788.684-114	THREAD LASTER	3	1	2	3	L4	I		7656	59002	63000000	745
788.684-118	TREE DRILLER	2	1	1	3	L4	I5		7759	59002	63000000	795
788.684-122	UPPER-AND-BOTTOM LACER, HAND	2	1	2	3	L4	I		7720	55E22	61080440	785
788.684-126	WOOD-HEEL FINISHER	2	1	1	3	L46	I		7759	59002	63000000	795
788.684-130	WRINKLE CHASER	2	1	1	2	L46	I5		7755	59003	80002899	787
788.685-010	FLARE BREAKER	1	1	1	2	L4	I		7679	59003	80002899	777
788.685-014	FOLDING-MACHINE TENDER	2	1	1	2	L4	I5		7679	55F91	61085405	777
788.685-018	STOCK FITTER	3	1	1	6	L346	I56		7679	55578	63000000	777
788.685-022	TONGUE PRESSER	2	1	1	2	L4	I5		7679	59003	80002899	777
788.685-026	TOP FORMER	2	1	1	2	L4	I		7679	59003	80002899	777
788.685-030	WRAP TURNER	2	1	1	2	L4	I		7679	59003	80002899	777
788.687-010	ANTISQUEAK FILLER	1	1	1	2	L4	I		7740	59003	80002899	785
788.687-014	BOTTOM BLEACHER	1	1	1	2	L4	I		7740	59003	80002899	785
788.687-018	BRUSHER	1	1	1	2	L4	I5		8769	59003	80002899	889
788.687-022	BUCKLER AND LACER	1	1	1	2	L4	I		8769	59003	80002899	889
788.687-026	CASER, SHOE PARTS	3	2	2	3	M346	I5		7850	59002	63000000	799
788.687-030	CEMENTER, HAND	2	1	1	2	L4	I5		7740	55569	61085443	785
788.687-034	COLOR MATCHER	2	2	1	4	S46	I		7820	55B58	50142202	796
788.687-038	DRESSER	2	1	1	2	L4	I5		7758	59003	80002899	794
788.687-042	FINISHING TRIMMER	2	1	1	2	L4	I		8769	55962	61089071	889
788.687-050	FOLDER, HAND	2	1	1	2	L46	I		7720	59003	80002899	785
788.687-054	GOLF-SHOE-SPIKE ASSEMBLER	2	1	1	2	M4	I5		7720	55E22	61080440	785
788.687-058	HEEL DIPPER	1	1	1	2	L4	I		8769	59003	80002899	889
788.687-062	INSOLE-AND-HEEL-STIFFENER	1	1	1	2	L4	I		8769	59003	80002899	889
788.687-066	LABORER, BOOT AND SHOE	2	1	1	2	M34	I5		8769	55I85	61089023	889
788.687-070	LACER 1	1	1	1	2	L4	I5		8769	59003	80002899	889
788.687-078	LAST CHALKER	2	1	1	2	L4	I		8769	59003	80002899	889
788.687-086	LAST PULLER	2	1	1	2	L4	I5		8769	59003	80002899	889
788.687-090	LEATHER SOFTENER	2	1	1	2	M4	I45		8769	59003	80002899	889
788.687-094	MOLDER, SHOE PARTS	2	1	1	2	L4	I5		7740	55571	61085444	785
788.687-098	PAINTER, BOTTOM	1	1	1	2	L46	I		7756	55K18	61085416	789
788.687-102	PEGGER	2	1	1	2	L4	I		7740	59003	80002899	785
788.687-110	SHANK INSPECTOR	2	1	1	2	L46	I		7820	55B58	50142202	796
788.687-114	SHANK TAPER	1	1	1	2	L4	I		8769	59003	80002899	889

*** PROGRAM: 47.0406 SHOE AND BOOT REPAIR. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
788.687-118	SHANK-PIECE TACKER	1	1	1	2	L4	I		7740	55P05	80002826	785
788.687-122	SHOE CLEANER	2	1	1	2	M46	I		8769	55Q84	80002829	889
788.687-126	SHOE COVERER	1	1	1	2	L4	I		8769	59003	80002899	889
788.687-130	SHOE TURNER	2	1	1	2	L4	I5		8769	59003	80002899	889
788.687-138	STEEL-BOX-TOE INSERTER	2	1	1	2	M4	I5		7720	59003	80002899	785
788.687-142	TABLE WORKER	2	1	1	2	L4	I		7740	59003	80002899	785
788.687-150	TRIMMER, HAND	2	1	1	2	L4	I		7753	55578	63000000	786
788.687-154	VAMP CREASER	2	1	1	2	L4	I5		7740	55566	61085440	785
788.687-158	VAMP-STRAP IRONER	1	1	1	2	L4	I		7740	59003	80002899	785
788.687-162	WELT-BUTTER, HAND	2	1	1	2	L4	I5		7740	55578	63000000	785
788.687-166	WHITE-SHOE RAGGER	1	1	1	2	L4	I		7756	59003	80002899	789
789.382-010	CLICKING-MACHINE OPERATOR	3	2	2	5	M46	I5		7654	55H64	61081424	743
920.687-166	SHOE PACKER	2	1	1	2	L4	I		8761	55C39	61060802	888
922.687-066	LAST PUTTER-AWAY	1	1	1	2	M4	I5		8769	59003	80002899	889

PROGRAM: 47.0407 SPORTING GOODS EQUIPMENT REPAIR.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO REPAIR OR REPLACE FAULTY PARTS OF SPORTING AND ATHLETIC EQUIPMENT SUCH AS FISHING TACKLE, TENNIS RACKETS, GOLF EQUIPMENT, AND ARCHERY EQUIPMENT. INCLUDES INSTRUCTION IN REGLUING AND REWINDING SHAFTS OF BOWS AND ARROWS; RESTRINGING TENNIS RACKETS; WORKING WITH METAL PARTS AND USING METAL-WORKING TOOLS; AND RESEARCHING SPECIALIZED TYPES OF SPORTING AND ATHLETIC EQUIPMENT.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
341.464-010	SKATE-SHOP ATTENDANT	3	2	2	3	L456	I	08.0903 08.0904	5254	44029	70080401	459
639.681-010	BICYCLE REPAIRER	3	2	3	4	M46	I		6179	51016	50083202	547
690.685-346	SANDER	2	1	1	2	L46	I5		7677	59003	80002899	768
690.685-370	SKI-TOP TRIMMER	2	1	1	2	L46	I5		7678	59003	80002899	769
692.685-170	SKI TOPPER	2	1	1	2	L46	I		7661	59003	80002899	753
706.684-046	BENCH HAND	2	2	2	3	M4	I		7720	55E22	61080440	785
731.685-010	TIRE SETTER	2	1	1	2	L46	I		7679	59003	80002899	777
732.281-010	CUSTOM SKI MAKER	4	4	4	7	L46	I		6862	59001	50144899	676
732.364-010	INSPECTOR	3	2	3	3	L456	I		7820	55B58	50142202	796
732.381-010	BOW MAKER, CUSTOM	4	2	2	7	L46	I67		6861	59001	50144899	675
732.381-014	BOWLING-BALL GRADER AND MARKER	3	2	2	6	L46	I		6881	55B58	50142202	689
732.381-018	GOLF-CLUB HEAD FORMER	3	2	2	6	L46	I		6816	59001	50144899	644
732.381-022	GOLF-CLUB REPAIRER	3	2	2	6	M46	I		6179	51900	50083299	547
732.384-010	ASSEMBLER, BILLIARD-TABLE	3	2	2	3	L46	I		7720	55E22	61080440	785
732.384-014	INSPECTOR AND ADJUSTER, GOLF CLUB HEAD	3	3	3	4	L46	I		7820	55B58	50142202	796
732.487-010	BOWLING-BALL WEIGHER AND PACKER	2	2	1	4	L46	I		7840	55T43	80002899	798
732.567-010	INSPECTOR, GOLF BALL	3	2	2	3	L46	I		7820	55B58	50142202	796
732.584-010	BOWLING-BALL ENGRAVER	2	1	2	3	L46	I		7757	55135	50100803	793
732.584-014	FINISHER	2	1	2	4	L46	I7		7759	59002	63000000	795
732.587-010	GOLF-BALL TRIMMER	2	1	1	2	L46	I		7740	59003	80002899	785
732.587-014	GOLF-CLUB WEIGHER	2	1	2	2	L46	I		7840	55T43	80002899	798
732.684-010	ARROWSMITH	2	2	2	2	L4	I		7755	59003	80002899	787

*** PROGRAM: 47.0407 SPORTING GOODS EQUIPMENT REPAIR. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES CODE	FOURTH EDITION TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
732.684-014	ASSEMBLER	2	2	2	3	L46	I		7720	55E22	61080440	785
732.684-018	ASSEMBLER, LIQUID CENTER	2	1	1	2	M4	I4		7720	55E22	61080440	785
732.684-022	ASSEMBLER, PING-PONG TABLE	2	1	1	2	L4	I5		7720	55E22	61080440	785
732.684-026	BALL ASSEMBLER	2	2	2	3	L46	I		7720	55E22	61080440	785
732.684-030	BASEBALL INSPECTOR AND REPAIRER	3	2	2	3	L46	I		7820	55B58	50142202	796
732.684-034	BASEBALL SEWER, HAND	2	1	1	3	L46	I		7752	55J75	63000000	674
732.684-038	BOW MAKER, PRODUCTION	3	3	2	5	L46	I		7755	59002	63000000	787
732.684-042	BOW-STRING MAKER	2	1	1	3	L4	I		7720	59002	63000000	785
732.684-046	CELLULOID TRIMMER	2	1	1	2	L4	I		7720	59003	80002899	785
732.684-050	FEATHER STITCHER	2	1	1	3	L46	I		7752	55J75	63000000	674
732.684-054	FISH-STRINGER ASSEMBLER	2	2	1	2	L4	I		7720	55E22	61080440	785
732.684-058	FISHING-LURE ASSEMBLER	3	2	2	3	L46	I		7720	55E22	61080440	785
732.684-062	FISHING-REEL ASSEMBLER	2	1	1	2	L4	I		7720	55E22	61080440	785
732.684-066	FISHING-ROD ASSEMBLER	2	1	2	2	L4	I		7720	55E22	61080440	785
732.684-070	FISHING-ROD MARKER	2	1	2	3	L4	I		7759	59002	63000000	795
732.684-074	FLY TIER	2	1	2	4	L46	I		7720	59002	63000000	785
732.684-078	GOLF-CLUB ASSEMBLER	2	1	1	3	L46	I		7720	55E22	61080440	785
732.684-082	GRIP WRAPPER	2	1	1	3	L46	I		7720	55E22	61080440	785
732.684-086	GUIDE WINDER	2	2	2	3	L46	I		7720	59002	63000000	785
732.684-090	PELOTA MAKER	2	1	1	4	L46	I		7720	55J75	63000000	785
732.684-094	RACKET STRINGER	3	2	2	5	L46	I		7720	59002	63000000	785
732.684-098	ROLLER-SKATE ASSEMBLER	2	1	1	2	L4	I		7720	55E22	61080440	765
732.684-102	ROLLER-SKATE REPAIRER	2	2	1	4	L4	I		6179	51900	50083299	547
732.684-106	SHAPER, BASEBALL GLOVE	2	1	1	2	M4	I		7755	59003	80002899	787
732.684-110	SKI BASE TRIMMER	2	1	1	2	M46	I5		7755	59003	80002899	787
732.684-114	SKI MOLDER	3	1	2	3	L46	I		7755	59002	63000000	787
732.684-118	SKI REPAIRER, PRODUCTION	2	1	1	5	L46	I5		7755	59002	63000000	787
732.684-122	SPORTS-EQUIPMENT REPAIRER	3	2	2	4	L46	I		6179	51900	50083299	547
732.684-126	SURFBOARD MAKER	2	2	2	3	M4	I		7720	59002	63000000	785
732.685-010	BASE-FILLER OPERATOR	2	1	1	2	L4	I		7662	59003	80002899	754
732.685-014	FEATHER SAWYER	2	1	1	2	L46	I6		7678	55T66	61081403	769
732.685-018	FIXING-MACHINE OPERATOR	2	1	1	3	M4	I		7720	55E22	61080440	785
732.685-022	GUIDE-BASE WINDER, MACHINE	2	1	1	2	L46	I		7679	59003	80002899	777
732.685-030	SINKER WINDER	2	1	1	2	L46	I		7679	59003	80002899	777
732.685-034	STUFFING-MACHINE OPERATOR	2	1	1	2	L4	I		7662	59003	80002899	754
732.685-038	TRIMMING-MACHINE OPERATOR	1	1	1	2	L4	I		7678	55D94	61085439	769
732.686-010	HAY SORTER	1	1	1	1	M4	I		8725	59003	80002899	878
732.687-010	ADHESIVE PRIMER	1	1	1	2	M46	I		7755	59003	80002899	787
732.687-014	ASSEMBLER, FISHING FLOATS	1	1	1	2	L4	I		7720	55E22	61080440	785
732.687-018	BASE FILLER	1	[illegible]	1	1	L4	I		7740	59003	80002899	785
732.687-022	CASTING-PLUG ASSEMBLER	1	1	1	2	L4	I		7720	55E22	61080440	785
732.687-026	GOLF-CLUB WEIGHTER	2	1	1	2	L4	I6		7740	59003	80002899	785
732.687-030	LABORER	1	1	1	2	M4	I		8769	59003	80002899	889
732.687-034	LACER	2	1	1	3	L4	I		7740	59002	63000000	785
732.687-038	LEADER TIER	2	1	1	2	L46	I		7720	55E22	61080440	785
732.687-042	LINING INSERTER	2	1	1	2	M4	I		7740	59003	80002899	785
732.687-046	MOLD CLEANER	1	1	1	2	L4	I		8750	55B19	61082401	887
732.687-050	MOLD STRIPPER	1	1	1	2	L4	I		7740	59003	80002899	785
732.687-054	MOLDER, INFLATED BALL	2	1	1	2	M4	I		7663	59003	80002899	755
732.687-058	MOLDER, WAX BALL	2	1	1	2	M4	I3		7740	59003	80002899	785

*** PROGRAM: 47.0407 SPORTING GOODS EQUIPMENT REPAIR. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
732.687-070	SOFTBALL CORE MOLDER	2	1	1	2	M4	I3		7667	59003	80002899	758
732.687-062	PAINTER AND GRADER, CORK	2	1	1	2	L4	I		7756	55R68	61084210	789
732.687-066	REVERSER	2	1	1	2	M4	I		8769	55580	61041027	889
732.687-074	SPIN-TABLE OPERATOR	2	1	1	3	M4	I		7677	59002	63000000	768
732.687-078	TARGET TRIMMER	2	1	1	2	M4	I		7753	59003	80002899	786
732.687-086	WEIGHER	2	2	1	2	L4	I		7840	55T43	80002899	798
739.381-054	SURVIVAL-EQUIPMENT REPAIRER	3	2	2	6	M46	I		6179	51900	50083299	547
806.684-014	ASSEMBLER, BICYCLE 1	2	1	1	4	L46	I		7720	55E22	61080440	785
806.687-030	INSPECTOR, BICYCLE	2	1	1	2	L46	I		7820	55B58	50142202	796

PROGRAM: 47.0408 WATCH REPAIR.

-------------- AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO MAKE, MAINTAIN, AND REPAIR CLOCKS, WATCHES, CHRONOMETERS, AND OTHER TYPES OF TIME-MEASURING DEVICES BY DIAGNOSING MALFUNCTIONS; DISASSEMBLING, REPAIRING, AND/OR REPLACING FAULTY PARTS; CLEANING, ASSEMBLING AND ADJUSTING PARTS; AND REPLACING STRAPS, BANDS, CRYSTALS, CROWNS, AND HANDS. INCLUDES INSTRUCTION IN THE USE OF VARIOUS BENCH AND HAND TOOLS SUCH AS LATHES, STAKING TOOLS, LOUPES, TRUING CALIPERS, TIMING MACHINES, PALLET WARMERS, AND OTHER GRINDING, DRILLING, AND POLISHING TOOLS.
ALSO INSTRUCTION IN THE USE OF VARIOUS MATERIALS SUCH AS METALS, PLASTICS, CHEMICALS, OILS, WAXES, AND ABRASIVES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
299.367-018	WATCH-AND-CLOCK-REPAIR CLERK	3	3	3	5	L456	I		4363	61373	40066824	275
504.382-010	HARDENER	4	3	3	6	H4	I67	48.0503	7544	55J85	50060600	724
599.685-106	TUMBLER	2	1	2	2	L4	I		7673	55Q97	61088414	764
600.380-022	MACHINE SETTER	4	4	3	7	M46	I5	48.0503	7329	55L04	50061003	715
602.482-010	GEAR-LAPPING-MACHINE OPERATOR	3	3	3	5	M46	I	48.0503	7324	55B44	63000000	709
603.482-010	DEBURRER, STRIP	3	2	2	6	L46	I	48.0503	7322	55J63	61020600	709
603.685-022	BEVEL POLISHER	2	2	2	3	L46	I	48.0503	7522	55J63	61020600	709
603.685-038	BRUSH POLISHER	2	1	1	3	L4	I	48.0503	7522	55B19	61082401	709
603.685-042	BURNISHER	2	1	1	2	L4	I	48.0503	7522	55B19	61082401	709
603.685-054	FLAT POLISHER	2	1	1	4	L4	I	48.0503	7522	55B19	61082401	709
603.685-066	GRINDER, LAP	2	1	1	3	L4	I		7522	55J63	61020600	709
603.685-082	STONER AND POLISHER, BEVEL FACE	2	1	1	3	L4	I	48.0503	7522	55J63	61020600	709
604.260-010	SCREW-MACHINE SET-UP OPERATOR, SWISS-TYP	4	3	3	7	M46	I5	48.0503	7312	55K58	61021006	703
604.682-010	SCREW-MACHINE OPERATOR, SWISS-TYPE	3	3	2	6	L46	I5		7512	55K58	61021006	704
604.685-030	RIM-TURNING FINISHER	2	1	1	3	L46	I		7512	55K58	61021006	704
604.685-042	TURRET-LATHE OPERATOR, TUMBLE TAILSTOCK	2	1	1	3	L46	I	48.0503	7512	55K58	61021006	704
604.686-010	WIRE THREADER	2	1	1	2	L4	I		8725	55K58	61021006	878
605.682-026	TOOTH CUTTER, ESCAPE WHEEL	3	2	2	4	L46	I	48.0503	7313	55L31	61021007	705
605.682-030	WHEEL CUTTER	3	2	2	5	L46	I	48.0503	7513	55L31	61021007	705
605.685-018	HOOKING-MACHINE OPERATOR	2	1	1	3	L46	I	48.0503	7513	55L31	61021007	705
605.685-022	JEWEL STRIPPER	2	1	2	2	L46	I	48.0503	7513	55L31	61021007	705
605.685-026	LEVER MILLER	2	1	2	2	L4	I	48.0503	7513	55L31	61021007	705
605.685-034	PLANING-MACHINE OPERATOR	2	1	1	3	L46	I	48.0503	7513	55L31	61021007	705
605.685-038	PROFILING-MACHINE OPERATOR	2	1	1	2	L46	I	48.0503	7513	55L31	61021007	705
605.685-046	SQUARING-MACHINE OPERATOR	2	1	1	2	L46	I	48.0503	7513	55L31	61021007	705
605.685-050	TOOTH CUTTER	2	2	2	3	L46	I	48.0503	7513	55L31	61021007	705

*** PROGRAM: 47.0408 WATCH REPAIR. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
606.685-030	DRILLING-MACHINE OPERATOR, AUTOMATIC	2	1	1	3	L4	I		7518	55H95	61020201	708
609.682-014	COLLET MAKER	3	2	2	5	L46	I	48.0503	7529	59002	63000000	715
609.682-030	SCREWMAKER, AUTOMATIC	3	2	2	5	L46	I	48.0503	7529	59002	63000000	715
609.685-014	ENGRAVER, AUTOMATIC	2	1	1	2	L46	I		7529	55135	50100803	715
614.382-014	WIRE DRAWER	3	2	2	4	L46	I		7515	55R41	61088850	719
615.685-014	CLEARANCE CUTTER	2	1	1	2	L4	I	48.0504	7678	55R78	61021609	769
673.682-022	FINISH OPENER, JEWEL HOLE	3	2	1	5	L46	I		7677	59002	63000000	768
690.685-366	SIZING-MACHINE TENDER	2	1	1	2	L46	I		7678	59003	80002899	769
693.380-010	MODEL MAKER	4	3	4	7	L46	I5		7439	25452	10243899	733
715.221-010	INSTRUCTOR, WATCH ASSEMBLY	4	3	4	7	L456	I		2390	59001	50144899	159
715.261-010	MECHANICAL TECHNICIAN, LABORATORY	4	4	4	7	L46	I	48.0503	6881	55Q57	50142205	689
715.281-010	WATCH REPAIRER	4	3	3	8	L46	I		6171	55D35	50142402	535
715.281-014	WATCH REPAIRER APPRENTICE	4	3	3	8	L46	I		6171	55D35	50142402	535
715.381-010	ASSEMBLER	4	2	3	7	L46	I		6882	55E22	61080440	693
715.381-014	ASSEMBLER, WATCH TRAIN	4	2	2	6	L46	I		6882	55E22	61080440	693
715.381-018	BANKING PIN ADJUSTER	3	2	2	5	L46	I		6882	59002	63000000	693
715.381-022	BARREL ASSEMBLER	3	2	2	6	L46	I		6882	55E22	61080440	693
715.381-026	BARREL-BRIDGE ASSEMBLER	3	2	2	5	L46	I		6882	55E22	61080440	693
715.381-030	BARREL-ENDSHAKE ADJUSTER	3	2	2	6	L46	I		6881	59002	63000000	689
715.381-034	BLOCKER AND POLISHER, GOLD WHEEL	3	2	2	5	L46	I		7522	59002	63000000	709
715.381-038	CHRONOMETER ASSEMBLER AND ADJUSTER	4	3	3	7	L46	I		6882	55E22	61080440	693
715.381-042	CHRONOMETER-BALANCE-AND-HAIRSPRING ASSEM	3	2	2	6	L46	I		6882	55E22	61080440	693
715.381-046	DIAL MAKER	3	2	2	6	L46	I		6882	59002	63000000	693
715.381-050	FINAL INSPECTOR	4	3	3	7	L456	I		6881	55B58	50142202	689
715.381-054	HAIRSPRING ASSEMBLER	3	1	2	5	L46	I		6882	55E22	61080440	693
715.381-058	HAIRSPRING TRUER	3	2	2	6	L46	I		7820	59002	63000000	796
715.381-062	HAIRSPRING VIBRATOR	3	2	2	6	L46	I		6882	59002	63000000	693
715.381-066	INSPECTOR, HAIRSPRING 1	3	2	2	6	L46	I		6881	55B58	50142202	689
715.381-070	INSPECTOR, WATCH ASSEMBLY	3	2	2	6	L46	I		6881	55B58	50142202	689
715.381-074	INSPECTOR, WATCH TRAIN	4	2	3	7	L46	I		6881	55B58	50142202	689
715.381-078	LOCATION-AND-MEASUREMENT TECHNICIAN	4	3	3	6	L46	I		6821	55B58	50142202	646
715.381-082	PALLET-STONE INSERTER	3	2	2	6	L46	I		6822	55E22	61080440	647
715.381-086	PALLET-STONE POSITIONER	3	2	2	6	L46	I		6822	55E22	61080440	647
715.381-090	SCREWHEAD POLISHER	3	2	2	5	L46	I		7522	55B19	61082401	709
715.381-094	WATCH ASSEMBLER	4	3	3	6	L46	I		6882	55E22	61080440	693
715.384-010	BALANCE ASSEMBLER	3	2	2	3	L46	I		7720	55E22	61080440	785
715.384-014	INSPECTOR, MECHANISM	3	2	2	4	L46	I		7820	55B58	50142202	796
715.384-018	INSPECTOR, POISING	3	2	2	4	L46	I		7820	55B58	50142202	796
715.384-022	INSPECTOR, WATCH PARTS	3	2	3	6	L46	I		7820	55B58	50142202	796
715.584-010	DIAL REFINISHER	2	1	2	5	L46	I		7759	55D35	50142402	795
715.584-014	REPAIRER, AUTO CLOCKS	2	1	1	3	L46	I		6171	55D35	50142402	535
715.584-018	STONER, HAND	2	1	1	3	L46	I		7758	55B19	61082401	794
715.660-010	SET-UP WORKER	3	2	3	5	L456	I5	48.0503	7339	59002	63000000	717
715.681-010	TIMING ADJUSTER	3	2	2	6	L46	I		6882	55D35	50142402	693
715.682-010	BARREL FINISHER	2	1	2	3	L4	I		7512	55K58	61021006	704
715.682-014	COUNTERSINKER	2	2	1	3	L46	I		7518	59002	63000000	708
715.682-018	POLISHER	3	2	2	5	L46	I		7522	55B19	61082401	709
715.682-022	TAPPER, BALANCE-WHEEL SCREW HOLE	3	2	2	3	L46	I		7679	59002	63000000	777
715.682-026	TOOTH POLISHER	3	2	2	5	L46	I		7522	55B19	61082401	709
715.684-010	ADJUSTER, ALARM MECHANISM	2	1	2	2	L46	I		7759	59003	80002899	795

*** PROGRAM: 47.0408 WATCH REPAIR. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
715.684-014	ASSEMBLER, MOVEMENT	2	1	1	3	L46	I		7720	55E22	61080440	785
715.684-018	BALANCE TRUER	3	2	2	4	L46	I		7830	59002	63000000	797
715.684-022	BALANCE-BRIDGE ASSEMBLER	3	2	2	3	L46	I		7720	55E22	61080440	785
715.684-026	BENCH HAND	1	1	1	2	L46	I		7759	59003	80002899	795
715.684-030	BEVELER	2	1	1	3	L4	I		7517	59002	63000000	706
715.684-034	BLOCKER	2	1	1	4	L46	I		7759	59002	63000000	795
715.684-038	BURNISHER, BALANCE WHEEL ARM	2	1	1	3	L46	I		7758	55B19	61082401	794
715.684-042	BURRER	2	1	1	3	L46	I		7529	55B19	61082401	715
715.684-046	CANNON-PINION ADJUSTER	3	2	2	3	L46	I		7720	59002	63000000	785
715.684-050	CAP-JEWEL PLATE ASSEMBLER	3	2	2	3	L46	I		7720	55E22	61080440	785
715.684-054	CASER	2	1	2	3	L4	I		6171	55E22	61080440	535
715.684-058	CLOCK ASSEMBLER	2	1	2	3	L46	I		7720	55E22	61080440	785
715.684-062	COLLET DRILLER	2	1	1	2	L46	I		7518	55H95	61020201	708
715.684-066	COLLETER	2	1	2	3	L46	I		7720	59002	63000000	785
715.684-070	CROWN ATTACHER	2	1	2	2	L46	I		7720	55E22	61080440	785
715.684-074	CROWN-WHEEL ASSEMBLER	3	2	2	3	L46	I		7720	55E22	61080440	785
715.684-078	CRYSTAL CUTTER	2	2	2	3	L46	I		7677	59002	63000000	768
715.684-082	DIAL-SCREW ASSEMBLER	2	1	2	2	L46	I		7720	55E22	61080440	785
715.684-086	DIALER	3	2	2	3	L46	I		7720	55E22	61080440	785
715.684-090	DISASSEMBLER	2	1	1	3	L46	I		7720	59002	63000000	785
715.684-094	FINAL INSPECTOR, MOVEMENT ASSEMBLY	3	2	2	4	L46	I		7820	55B58	50142202	796
715.684-098	FINER	2	2	2	3	L46	I		7720	55E22	61080440	785
715.684-102	HAIRSPRING ADJUSTER	3	1	2	4	L46	I		7820	59002	63000000	796
715.684-106	HAND FILER, BALANCE WHEEL	2	1	1	3	L46	I		7758	55B19	61082401	794
715.684-110	HANDS ASSEMBLER	2	2	2	3	L46	I		7720	55E22	61080440	785
715.684-114	INSPECTOR, BARREL ASSEMBLY	3	2	2	6	L46	I		7820	55B58	50142202	796
715.684-118	INSPECTOR, HAIRSPRING TRUING	3	2	2	4	L46	I		7820	55B58	50142202	796
715.684-122	INSPECTOR, HAIRSPRING 2	2	1	2	3	L46	I		7820	55B58	50142202	796
715.684-126	INSPECTOR, WHEEL AND PINION	3	2	2	4	L46	I		7820	55B58	50142202	796
715.684-130	JEWEL INSERTER	2	2	2	3	L46	I		7720	55E22	61080440	785
715.684-134	JEWEL STAKER	2	2	2	3	L46	I		7720	55E22	61080440	785
715.684-138	LACQUERER	1	1	1	2	L46	I		7756	55R68	61084210	789
715.684-142	MECHANISM ASSEMBLER	2	1	2	3	L46	I		7720	55E22	61080440	785
715.684-146	OILER	2	1	1	2	L46	I		7759	59003	80002899	795
715.684-150	OVERCOILER	2	1	2	3	L46	I		7720	59002	63000000	785
715.684-154	PALLET ASSEMBLER	2	1	2	3	L46	I		7720	55E22	61080440	785
715.684-158	PALLET RECTIFIER	2	2	2	4	L46	I		7522	59002	63000000	709
715.684-162	PEARLER	2	1	1	2	L4	I		7753	59003	80002899	786
715.684-166	PIN INSERTER, REGULATOR	2	1	2	3	L46	I		7720	55E22	61080440	785
715.684-170	POLISHER, DIAL	2	1	1	3	L46	I		7758	55B19	61082401	794
715.684-174	PUT-IN-BEAT ADJUSTER	3	2	2	3	L46	I		7720	55E22	61080440	785
715.684-178	SET-STAFF FITTER	2	1	1	2	L46	I		7720	55E22	61080440	785
715.684-182	STAKER	2	2	2	3	L46	I		7720	55E22	61080440	785
715.684-186	STUDDER, HAIRSPRING	2	1	1	3	L46	I		7720	55E22	61080440	785
715.684-190	TRANSFERRER	3	1	1	3	L46	I		7757	55C36	50101201	793
715.684-194	TRUER, PINION AND WHEEL	2	1	1	3	L46	I		7820	59002	63000000	796
715.685-010	COLLET GLUER	2	1	1	2	L46	I		7661	59003	80002899	753
715.685-014	CUTTER, V-GROOVE	2	1	1	3	L46	I		7512	55K58	61021006	704
715.685-018	DEBURRER, MACHINE	2	1	1	3	L46	I		7512	55K58	61021006	704
715.685-022	DRILLER AND BROACHER	3	2	2	5	L46	I		7518	55H95	61020201	708

*** PROGRAM: 47.0408 WATCH REPAIR. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
715.685-026	END POLISHER	2	2	2	4	L46	I		7522	55B19	61082401	709
715.685-030	GRINDER 2	2	1	1	3	L46	I		7529	55B19	61082401	715
715.685-034	INSPECTOR, TIMING	3	2	2	5	L46	I		7830	55Q57	50142205	797
715.685-038	MAINSPRING WINDER AND OILER	2	1	1	2	L4	I		7720	59003	80002899	785
715.685-042	PINION POLISHER	2	1	1	3	L46	I		7522	55B19	61082401	709
715.685-046	POLISHER, BALANCE SCREWHEAD	2	1	1	3	L46	I		7522	55K58	61021006	709
715.685-050	PRESS OPERATOR, PIERCE AND SHAVE	2	1	1	2	L46	I		7529	55H95	61020201	715
715.685-054	PROFILER, HAND	3	2	2	4	L46	I		7529	59002	63000000	715
715.685-058	SOLDERER	2	1	1	2	L46	I	48.0508	7533	55D46	61022002	784
715.685-062	TAPPER 2	2	1	1	3	L46	I		7512	59002	63000000	704
715.685-066	TORQUE TESTER	2	1	2	3	L46	I		7830	59002	63000000	797
715.685-070	TUBING-MACHINE TENDER	2	1	1	3	L4	I		7514	55R78	61021609	706
715.686-010	DESTATICIZER FEEDER	2	1	1	2	L4	I		8725	59003	80002899	878
715.686-014	MACHINE FEEDER	1	1	1	1	L4	I		8725	59003	80002899	878
715.687-010	BAND ATTACHER	1	1	1	2	L4	I		7740	55E22	61080440	785
715.687-014	BARREL-CAP SETTER	2	1	1	3	L4	I		7720	59002	63000000	785
715.687-018	CRYSTAL ATTACHER	1	1	1	2	L4	I		7720	55E22	61080440	785
715.687-022	DIAL BRUSHER	1	1	1	2	L46	I		8769	59003	80002899	889
715.687-026	DIPPER, CLOCK AND WATCH HANDS	1	1	1	2	L4	I		8769	55R68	61084210	889
715.687-030	FOOT STRAIGHTENER	2	1	1	2	L4	I		7740	59003	80002899	785
715.687-034	GAGER	3	2	2	4	L46	I		7830	55B58	50142202	797
715.687-038	HAIRSPRING CUTTER 1	2	1	1	2	L46	I		7740	59003	80002899	785
715.687-042	HAIRSPRING CUTTER 2	2	1	2	2	L4	I		8769	59003	80002899	889
715.687-046	HAMMER ADJUSTER	1	1	1	1	L4	I		7740	59003	80002899	785
715.687-050	INSPECTOR, BALANCE TRUING	3	2	2	3	S46	I		7820	55B58	50142202	796
715.687-054	INSPECTOR, BALANCE WHEEL MOTION	2	2	2	3	L46	I		7820	55B58	50142202	796
715.687-058	INSPECTOR, BALANCE-BRIDGE	2	1	2	3	L46	I		7820	55B58	50142202	796
715.687-062	INSPECTOR, CASING	2	2	2	3	L46	I		7820	55B58	50142202	796
715.687-066	INSPECTOR, DIALS	3	2	3	4	L46	I		7820	55B58	50142202	796
715.687-070	INSPECTOR, SOLDERING	2	1	2	3	L46	I		7820	55B58	50142202	796
715.687-074	INSPECTOR, TIMERS	2	1	2	3	L46	I		7820	55B58	50142202	796
715.687-078	MAINSPRING FORMER, ARBOR END	2	1	2	2	L4	I		7740	59003	80002899	785
715.687-082	MAINSPRING FORMER, BRACE END	2	1	1	2	L4	I		7740	59003	80002899	785
715.687-086	MASKER	1	1	1	2	L4	I		8769	59003	80002899	889
715.687-090	MOTOR POLARIZER	1	1	1	2	L4	I		8769	59003	80002899	889
715.687-094	MOUNTER, CLOCK AND WATCH HANDS	1	1	1	2	L4	I		7740	59003	80002899	785
715.687-098	PAINTER, CLOCK AND WATCH HANDS	1	1	1	2	L46	I6		7756	55R68	61084210	789
715.687-102	PARTS REMOVER	1	1	1	2	L4	I		8769	59003	80002899	889
715.687-106	RACKER	1	1	1	2	L4	I		8769	59003	80002899	889
715.687-110	REAMER, CENTER HOLE	2	1	1	2	L46	I		7758	55H95	61020201	794
715.687-114	ROTOR ASSEMBLER	2	1	2	2	L46	I		7720	55E22	61080440	785
715.687-118	SET-KEY DRIVER	1	1	1	2	L4	I		7720	55E22	61080440	785
715.687-122	SPRING LAYER	2	1	1	2	L4	I		7740	59003	80002899	785
715.687-126	WASHER	2	1	1	2	L4	I		8769	59003	80002899	889
715.687-130	WINDER	2	1	2	3	L46	I		7830	59002	63000000	797
770.131-010	JEWEL SUPERVISOR	4	3	4	7	L45	I		6700	55B29	50040003	633
770.381-026	JEWEL BLOCKER AND SAWYER	3	2	2	6	L46	I		6822	59002	63000000	647
770.381-030	JEWEL-BEARING MAKER	4	3	3	7	L4	I		6822	59001	50144899	647
770.381-034	OLIVING-MACHINE OPERATOR	3	2	2	5	L46	I		6866	59002	63000000	647
770.582-010	FACER	3	2	2	4	L46	I		7522	55K28	61021003	709

*** PROGRAM: 47.0408 WATCH REPAIR. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
770.682-010	JEWEL-BEARING BROACHER	3	2	2	5	L46	I		7512	55K28	61021003	704
770.682-014	JEWEL-BEARING DRILLER	3	2	2	4	L46	I		7512	55K28	61021003	704
770.682-018	JEWEL-BEARING FACER	3	2	2	4	L46	I		7522	55K28	61021003	709
770.682-022	JEWEL-BEARING TURNER	3	2	2	4	L46	I		7512	55K28	61021003	704
770.682-026	JEWEL-HOLE DRILLER	3	2	2	5	L46	I		7518	55K28	61021003	708
770.684-010	JEWEL GRINDER 2	2	1	2	3	L4	I		7758	59002	63000000	794
770.684-014	JEWEL-HOLE CORNERER	2	1	1	3	L4	I	48.0602	7720	59002	63000000	785
770.684-018	ROUGH OPENER, JEWEL HOLE	2	1	1	2	L46	I		7720	59003	80002899	785
770.685-014	JEWEL GRINDER 1	2	1	2	3	L4	I		7522	59002	63000000	709
770.685-018	JEWEL-BEARING GRINDER	3	2	2	4	L46	I		7522	55K28	61021003	709
770.685-022	JEWEL-BEARING POLISHER	3	2	2	4	L46	I		7522	55K28	61021003	709
770.685-026	JEWEL-CORNER-BRUSHING-MACHINE OPERATOR	2	1	1	3	L46	I		7522	59002	63000000	709
770.685-030	JEWEL-CUPPING-MACHINE OPERATOR	2	1	2	3	L46	I		7518	59002	63000000	708
770.685-034	TURNER, MACHINE	3	1	2	4	L46	I		7522	59002	63000000	709
770.687-018	JEWEL GAGER	3	2	2	4	L46	I		7850	55B58	50142202	799
770.687-022	JEWEL INSPECTOR	3	3	2	4	L46	I		7850	55B58	50142202	799

PROGRAM: 47.0499 MISCELLANEOUS MECHANICS AND REPAIRERS, OTHER. ANY INSTRUCTIONAL PROGRAM IN MISCELLANEOUS MECHANICS AND REPAIRERS NOT DESCRIBED ABOVE.

PROGRAM: 47.0500 STATIONARY ENERGY SOURCES.

A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS TO INSTALL, OPERATE, AND MAINTAIN LARGE POWER SOURCES USED FOR SUCH PURPOSES AS GENERATING ELECTRICITY, PUMPING, AND HEATING.

PROGRAM: 47.0501 STATIONARY ENERGY SOURCES, GENERAL.

AN INSTRUCTIONAL PROGRAM THAT GENERALLY PREPARES INDIVIDUALS TO INSTALL, OPERATE, AND MAINTAIN LARGE POWER SOURCES USED FOR SUCH PURPOSES AS GENERATING ELECTRICITY, PUMPING, AND HEATING.

PROGRAM: 47.0502 CONVENTIONAL ELECTRIC POWER GENERATION.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO INSTALL, OPERATE, AND MAINTAIN ELECTRIC-POWER-GENERATING STATIONS, AND TO OPERATE AND MAINTAIN GAS, OIL, AND COAL FURNACES, BOILERS AND ELECTRIC GENERATORS; STEAM, GAS, OR HYDRO-TURBINES; AND DIESEL ENGINES. INCLUDES INSTRUCTION IN SPECIAL INSTRUMENTATION, CONTROLS, AND EMERGENCY AND SAFETY PROCEDURES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION		GED			S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
CODE	TITLE	R	M	L								
630.261-010	MAINTENANCE MECHANIC, COMPRESSED-GAS PLA	4	3	3	7	M2346	I56	47.0303	6130	51043	50081807	518
631.261-010	HYDROELECTRIC-MACHINERY MECHANIC	4	3	3	7	H2346	I56	47.0303	6130	51036	50081804	518
631.261-014	POWERHOUSE MECHANIC	4	3	3	8	H23456	I567	47.0303 47.0503	6130	51036	50081804	518
631.261-018	POWERHOUSE-MECHANIC APPRENTICE	4	3	3	8	H23456	I567	47.0303 47.0503	6130	51036	50081804	518
631.364-010	HYDROELECTRIC-MACHINERY-MECHANIC HELPER	3	2	3	3	H234	I56	47.0303 47.0503	8633	56900	80002823	864
631.684-010	POWERHOUSE-MECHANIC HELPER	3	2	3	5	M2346	I5	47.0303 47.0503	8633	56900	80002823	864
710.281-026	INSTRUMENT MECHANIC	4	3	4	7	L2346	I6	47.0401 47.0503	6171	55B62	50083221	535
710.281-030	INSTRUMENT TECHNICIAN	4	3	3	8	L2346	I56	15.0403 15.0404 47.0401 47.0503	6171	55B62	50083221	535
710.684-030	INSTRUMENT-TECHNICIAN HELPER	3	2	2	4	L2346	I356	47.0401 47.0503	8637	56900	80002823	864
729.281-038	RELAY TESTER	4	3	4	7	L46	I		6881	59001	50144899	689
729.384-018	SALVAGE REPAIRER 2	3	1	2	5	M34	I		6152	51900	50083299	533
729.387-026	INSULATOR TESTER	3	2	2	4	L46	I	47.0105	7830	55Q57	50142205	797
729.687-030	SALVAGER	2	1	1	3	M4	B		6140	59002	63000000	519
820.261-010	ELECTRICIAN APPRENTICE, POWERHOUSE	4	4	3	8	M23456	B6		6153	55B12	50021401	523
820.261-014	ELECTRICIAN, POWERHOUSE	4	4	3	8	M23456	B6		6153	55B12	50021401	523
820.261-018	ELECTRICIAN, SUBSTATION	4	4	3	8	M2346	B6		6153	55B12	50021401	523
820.361-010	CORROSION-CONTROL FITTER	4	3	3	7	M234	O		6869	55A80	50144899	684
820.361-018	REGULATOR INSPECTOR	4	4	3	7	M2346	I6		6881	59001	50144899	689
820.381-010	BATTERY MAINTAINER, LARGE EMERGENCY STOR	3	3	3	6	L46	I	46.0302 47.0503	6152	55B12	50021401	533
820.662-010	MOTOR-ROOM CONTROLLER	4	4	3	8	M3456	I		6932	55D03	50120800	695

*** PROGRAM: 47.0502 CONVENTIONAL ELECTRIC POWER GENERATION. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES	FOURTH EDITION	GED			S	PHYSICAL	WORKING	OTHER	1980	O E S	MATRIX	1980
CODE	TITLE	R	M	L	V P	DEMANDS	CONDITIONS	C I P PROGRAM	SOC CODE	SURVEY CODE	CODE	CENSUS CODE
821.361-034	POWER-TRANSFORMER REPAIRER	4	3	2	7	M2346	I67		6152	51049	50081808	533
821.381-010	ELECTRIC-METER TESTER	4	4	3	7	L46	I		6881	55Q57	50142205	689
829.261-010	COMPLAINT INSPECTOR	4	3	3	7	L346	B		6881	55B58	50142202	689
869.665-010	AUXILIARY-EQUIPMENT TENDER	3	2	2	6	M345	B5	47.0504	6479	55T97	63000000	599
950.382-018	GAS-ENGINE OPERATOR	3	2	2	6	M246	I456		6931	55C91	50144014	696
950.382-022	ROTARY-RIG ENGINE OPERATOR	4	3	3	7	M34	05	47.0305	6932	55C91	50144014	695
950.382-026	STATIONARY ENGINEER	4	4	3	7	M246	I3456	15.0403	6931	55C91	50144014	696
950.382-026	STATIONARY ENGINEER	4	4	3	7	M246	I3456	15.0501	6931	55C91	50144014	696
950.382-030	STATIONARY-ENGINEER APPRENTICE	4	4	3	7	M246	I3456	15.0403 15.0501	6931	55C91	50144014	696
950.685-010	AIR-COMPRESSOR OPERATOR	3	2	2	5	M46	B5		7668	55C91	50144014	696
950.685-014	BOILER-ROOM HELPER	2	2	2	4	L4	I5	47.0203	7668	59002	63000000	696
951.685-010	FIRER, HIGH PRESSURE	3	2	3	5	M2346	I356		6960	55C90	61085602	699
951.685-014	FIRER, LOW PRESSURE	2	2	2	5	M2346	I3456		7668	55C90	61085602	696
951.685-018	FIRER, MARINE	3	3	3	5	M34	I356		7668	55B25	61085618	696
952.167-014	LOAD DISPATCHER	4	3	3	8	L456	I		6932	55D95	50120800	695
952.261-010	SUBSTATION INSPECTOR	4	3	3	7	L456	B56		6881	55Q57	50142205	689
952.362-010	AUXILIARY-EQUIPMENT OPERATOR	3	2	3	5	M234	I5	47.0503 47.0504	6932	55B15	50144004	695
952.362-014	FEEDER-SWITCHBOARD OPERATOR	3	2	2	6	L46	I6		6932	55D03	50120800	695
952.362-018	HYDROELECTRIC-STATION OPERATOR	4	3	3	7	L46	I56		6932	59001	50144899	695
952.362-026	SUBSTATION OPERATOR	4	3	3	7	L46	I56		6932	55D01	50120800	695
952.362-030	SUBSTATION OPERATOR APPRENTICE	4	3	3	7	L46	I		6932	55D01	50120800	695
952.362-034	SWITCHBOARD OPERATOR	4	3	3	7	L46	I		6932	55D03	50120800	695
952.362-038	SWITCHBOARD OPERATOR	4	3	3	7	L46	I5		6932	55D03	50120800	695
952.362-042	TURBINE OPERATOR	4	3	3	7	L46	I5	47.0503	6932	55D33	50144015	695
952.367-010	LOAD CHECKER	3	3	3	6	L46	I		7820	62900	40066899	796
952.367-014	SWITCHBOARD OPERATOR ASSISTANT	3	3	3	7	L46	I		8619	59001	50144899	873
952.381-010	SWITCH INSPECTOR	3	2	3	5	M246	06		6881	55C94	50021402	689
952.382-010	DIESEL-PLANT OPERATOR	4	3	3	6	L456	I56		6932	55A89	50144003	695
952.382-014	POWER OPERATOR	3	3	2	7	M46	I6		6932	59001	50144899	695
952.382-018	POWER-PLANT OPERATOR	4	4	4	8	M456	I		6932	59001	50144899	695
952.464-010	CABLE MAINTAINER	3	3	3	5	L234	046		6175	55A42	50121007	539
952.567-010	TURBINE ATTENDANT	3	2	3	4	L46	I5	47.0503	7820	59002	63000000	796
952.665-010	LABORER, POWERHOUSE	2	1	1	3	H234	B567	47.0203 47.0503	8769	59002	63000000	889
952.687-010	HYDROELECTRIC-PLANT MAINTAINER	2	1	1	3	M234	B56		5244	59002	63000000	453
953.167-010	GAS DISPATCHER	4	3	3	8	S45	I		4752	55B42	40065201	363
953.367-018	HOUSE-PIPING INSPECTOR	3	2	3	5	L346	B		7820	55B58	50142202	796
953.584-010	HELPER, LIQUEFACTION-AND-REGASIFICATION	3	2	3	5	L346	B6		8619	56900	80002823	873
953.684-010	GAS-PUMPING-STATION HELPER	2	1	2	4	M34	I		8319	56900	80002823	859
956.267-010	INSPECTOR, CHIEF	4	4	3	7	M46	I3		7820	55B58	50142202	796
956.387-010	BUILDING-EQUIPMENT INSPECTOR	3	3	2	6	L46	I3		7820	55B58	50142202	796
959.361-010	CUSTOMER SERVICE REPRESENTATIVE	3	2	3	6	L34	B		6175	59002	63000000	539
959.367-010	ELECTRIC POWERLINE EXAMINER	3	2	3	6	L246	06		6153	59002	63000000	523
959.574-010	SERVICE REPRESENTATIVE	3	2	2	3	M346	B4		6175	51027 51078	50082002 50082009	539

PROGRAM: 47.0503 INDUSTRIAL NUCLEAR ENERGY. AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO CONSTRUCT, OPERATE, AND MAINTAIN REACTOR PLANTS AND INDUSTRIAL X-RAY EQUIPMENT AND USE RADIOISOTOPES IN INDUSTRY FOR PRODUCTION AND CONTROL OPERATIONS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
199.361-010	RADIOGRAPHER	4 4 4	5	L46	I6	41.0204	3990	32009	10081898	235
199.384-010	DECONTAMINATOR	3 3 3	6	M46	I467	41.0201 41.0203	3990	39000	10141404	235
529.685-274	X-RAY INSPECTOR	2 1 1	2	L46	I	20.0407	7820	55B58	50142202	796
630.261-018	REPAIRER 1	3 3 3	7	H2346	B	47.0303	6130	51043	50081807	518
631.261-014	POWERHOUSE MECHANIC	4 3 3	8	H23456	I567	47.0303 47.0502	6130	51036	50081804	518
631.261-018	POWERHOUSE-MECHANIC APPRENTICE	4 3 3	8	H23456	I567	47.0303 47.0502	6130	51036	50081804	518
631.364-010	HYDROELECTRIC-MACHINERY-MECHANIC HELPER	3 2 3	3	H234	I56	47.0303 47.0502	8633	56900	80002823	864
631.684-010	POWERHOUSE-MECHANIC HELPER	3 2 3	5	M2346	I5	47.0303 47.0502	8633	56900	80002823	864
710.281-026	INSTRUMENT MECHANIC	4 3 4	7	L2346	I6	47.0401 47.0502	6171	55B62	50083221	535
710.281-030	INSTRUMENT TECHNICIAN	4 3 3	8	L2346	I56	15.0403 15.0404 47.0401 47.0502	6171	55B62	50083221	535
710.684-030	INSTRUMENT-TECHNICIAN HELPER	3 2 2	4	L2346	I356	47.0401 47.0502	8637	56900	80002823	864
729.281-046	X-RAY-EQUIPMENT TESTER	4 3 3	6	L4	I6	15.0401	6881	55Q57	50142205	689
820.381-010	BATTERY MAINTAINER, LARGE EMERGENCY STOR	3 3 3	6	L46	I	46.0302 47.0502	6152	55B12	50021401	533
828.281-022	RADIOACTIVITY-INSTRUMENT MAINTENANCE TEC	4 4 4	7	L46	I6		6153	51077	50083299	523
921.662-014	CHARGE-MACHINE OPERATOR	3 2 3	5	L456	I6		8319	59002	63000000	859
952.362-010	AUXILIARY-EQUIPMENT OPERATOR	3 2 3	5	M234	I5	47.0502 47.0504	6932	55B15	50144004	695
952.362-042	TURBINE OPERATOR	4 3 3	7	L46	I5	47.0502	6932	55D33	50144015	695
952.567-010	TURBINE ATTENDANT	3 2 3	4	L46	I5	47.0502	7820	59002	63000000	796
952.665-010	LABORER, POWERHOUSE	2 1 1	3	H234	B567	47.0303 47.0502	8769	59002	63000000	889

PROGRAM: 47.0504 PUMPING PLANTS.
---------------- AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO INSTALL, OPERATE, AND MAINTAIN ELECTRIC, DIESEL, OR GAS TURBINE-PUMPING INSTALLATIONS THAT HANDLE LIQUIDS, GASES, OR SOLIDS FOR DELIVERY THROUGH PIPELINES OR FOR LOCAL USES. INCLUDES INSTRUCTION IN THE OPERATION AND MAINTENANCE OF PIPELINE MOTORS, ENGINES, TURBINES, INSTRUMENTS, AND CONTROLS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
549.260-010	REFINERY OPERATOR	4	3	3	8	L23456	B567	15.0903	6950	55Q07	61088625	699
549.360-010	PUMPER	4	3	3	6	M456	I567		6950	55T97	63000000	699
549.362-010	STILL-PUMP OPERATOR	3	3	2	5	M234	067		7679	55T97	63000000	777
549.387-010	CARGO INSPECTOR	3	3	2	5	L24	B67		7820	55B58	50142202	796
549.684-010	PUMPER HELPER	2	2	2	3	M234	067		6950	55T98	63000000	699
549.685-014	GRAPHITE PAN-DRIER TENDER	2	2	1	4	L24	I3567		7679	59002	63000000	777
549.685-034	WASH-OIL-PUMP OPERATOR HELPER	2	2	2	3	L234	I467		8618	59002	63000000	873
559.362-018	LIQUEFACTION-PLANT OPERATOR	3	3	2	4	L45	I567		6920	55G14	61087290	699
637.281-010	PUMP ERECTOR	4	3	3	6	H346	06		6179	51900	50083299	547
710.684-026	GAS-METER MECHANIC 2	2	1	1	3	L46	I	47.0401	6171	51900	50083299	535
828.261-018	SENIOR TECHNICIAN, CONTROLS	4	4	4	7	L3456	I5	15.0302	6159	32900	10081898	533
869.564-010	LINE WALKER	3	2	3	4	L45	O		7820	55B72	50142209	796
869.665-010	AUXILIARY-EQUIPMENT TENDER	3	2	2	6	M345	B5	47.0502	6479	55T97	63000000	599
899.684-026	PIPELINER	3	1	2	5	H2346	0567		6479	55T36	50144801	599
914.362-010	COAL-PIPE-LINE OPERATOR	3	3	3	4	L4	I		6960	59001	50144899	699
914.362-018	STATION ENGINEER, MAIN LINE	3	2	3	7	L2346	B567		8319	55C42	50144024	859
914.382-010	OIL PUMPER	3	3	3	6	L246	05	47.0305	8319	55C05	50144008	859
914.382-014	PUMPER-GAGER	4	3	3	7	M2346	0567	15.0903 47.0305	8319	55B75	80001019	859
914.382-018	PUMPER-GAGER APPRENTICE	4	3	3	7	M2346	0567	15.0903 47.0305	8319	55B75	80001019	859
914.382-022	PUMPER, HEAD	3	3	3	7	L4	05	47.0305	8319	55C43	50144010	859
914.384-010	GAGER	3	3	3	6	M2346	06	47.0305	6950	55B39	61083620	699
914.585-010	GAS-TRANSFER OPERATOR	2	2	2	2	L4	O		8319	55T97	63000000	859
914.665-010	PIGMENT PUMPER	2	1	1	4	M234	B57		8319	55M76	63000000	859
914.665-014	PUMPER, BREWERY	3	2	2	3	M34	I4		8319	55T97	63000000	859
914.667-010	LOADER 1	3	2	2	5	M2346	B67		8319	55B75	80001019	859
914.682-010	PUMPER	3	2	3	5	M2346	B456	47.0305	8319	55T97	63000000	859
914.687-010	LABORER, PIPE-LINES	2	1	1	2	H34	O	47.0305	8769	59003	80002899	889
914.687-014	LOADER HELPER	2	1	1	3	M234	067		8726	59002	63000000	883
914.687-018	PUMPER HELPER	2	1	1	2	M34	B45	47.0305	8618	55T98	63000000	873
950.362-010	ENGINEER, EXHAUSTER	3	3	3	7	L23456	I567		8319	55C91	50144014	859
950.382-014	GAS-COMPRESSOR OPERATOR	4	3	3	7	M2456	I56		8319	55B41	50144899	859
952.362-010	AUXILIARY-EQUIPMENT OPERATOR	3	2	3	5	M234	I5	47.0502 47.0503	6932	55B15	50144004	695
953.362-010	FUEL ATTENDANT	3	2	2	5	L4	I		6920	55C91	50144014	699
953.362-014	LIQUEFACTION-AND-REGASIFICATION-PLANT OP	4	3	3	7	M456	I6		6920	55B77	50144007	699
953.362-018	PRESSURE CONTROLLER	3	3	3	7	M246	B		6920	55B42	40065201	699
953.367-010	GAS-LEAK INSPECTOR	3	2	2	5	L46	B	46.0503	7820	55B58	50142202	796
953.382-010	GAS-PUMPING-STATION OPERATOR	3	2	3	5	L46	B		8319	55B47	50144006	859
953.667-010	GAS-LEAK INSPECTOR HELPER	3	3	3	4	M346	B	46.0503	8620	59002	63000000	873

*** PROGRAM: 47.0504 PUMPING PLANTS. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES CODE	FOURTH EDITION TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
954.382-010	PUMP-STATION OPERATOR, WATERWORKS	3	2	3	5	L46	I5		6910	55D44	50144019	694
954.382-014	WATER-TREATMENT-PLANT OPERATOR	3	3	3	5	M46	B4567		6910	55D43	50144025	694
954.382-018	WATERSHED TENDER	3	2	2	5	L46	B4		6960	55D42	50144017	699
954.385-010	BASIN OPERATOR	3	2	2	4	M2345	046		7676	59002	63000000	757
955.362-010	WASTEWATER-TREATMENT-PLANT OPERATOR	4	4	3	6	L456	B4567	15.0506	6910	55C71	50144013	694
955.382-010	CLARIFYING-PLANT OPERATOR	3	2	2	4	L46	I		6910	55S54	50144021	694
955.585-010	WASTEWATER-TREATMENT-PLANT ATTENDANT	3	2	2	4	M46	B4567		6910	55C71	50144013	694

PROGRAM: 47.0599 STATIONARY ENERGY SOURCES, OTHER.

ANY INSTRUCTIONAL PROGRAM IN STATIONARY ENERGY SOURCES NOT DESCRIBED ABOVE.

PROGRAM: 47.0600 VEHICLE AND MOBILE EQUIPMENT MECHANICS AND REPAIRERS.

A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS TO MAINTAIN AND REPAIR AIRCRAFT; AUTOMOBILES; DIESEL ENGINES IN VEHICLES SUCH AS BUSES, SHIPS, TRUCKS, RAILROAD LOCOMOTIVES, AND CONSTRUCTION EQUIPMENT; STATIONARY DIESEL ENGINES IN ELECTRICAL GENERATORS; AND SMALL ENGINES IN MOBILE EQUIPMENT SUCH AS LAWNMOWERS AND ROTARY TILLERS.

PROGRAM: 47.0601 VEHICLE AND MOBILE EQUIPMENT MECHANICS AND REPAIRERS, GENERAL.

AN INSTRUCTIONAL PROGRAM THAT GENERALLY PREPARES INDIVIDUALS TO MAINTAIN AND REPAIR AIRCRAFT; AUTOMOBILES; DIESEL ENGINES IN VEHICLES SUCH AS BUSES, SHIPS, TRUCKS, RAILROAD LOCOMOTIVES, AND CONSTRUCTION EQUIPMENT; STATIONARY DIESEL ENGINES IN ELECTRICAL GENERATORS; AND SMALL ENGINES IN MOBILE EQUIPMENT SUCH AS LAWNMOWERS AND ROTARY TILLERS.

PROGRAM: 47.0602 AIRCRAFT MECHANICS.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO INSPECT, REPAIR, SERVICE, AND OVERHAUL ALL AIRPLANE PARTS, INCLUDING ENGINES, PROPELLERS, INSTRUMENTS, AIRFRAMES, FUEL AND OIL TANKS, CONTROL CABLES, AND HYDRAULIC UNITS. THIS PROGRAM IS DESIGNED TO MEET FEDERAL AVIATION ADMINISTRATION REQUIREMENTS FOR LICENSING AS AN AIR FRAME/POWER-PLANT MECHANIC.

DICTIONARY OF OCCUPATIONAL TITLES CODE	FOURTH EDITION TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
600.381-010	PROPELLER LAY-OUT WORKER	3	2	2	6	H346	I		6821	55K61	50061202	646
621.221-010	FIELD-SERVICE REPRESENTATIVE	4	4	4	7	L456	B5		2390	25199	10206099	159
621.261-010	AIRPLANE INSPECTOR	4	4	4	8	L2345	B5		6881	55B58	50142202	689
621.281-010	AIR-CONDITIONING CHECK-OUT MECHANIC	4	3	3	7	L346	I5		6116	51002	50080400	515
621.281-014	AIRFRAME-AND-POWER-PLANT MECHANIC	4	4	4	7	M3456	B56		6116	51002	50080400	515
621.281-018	AIRFRAME-AND-POWER-PLANT-MECHANIC APPREN	4	3	3	7	M346	B56		6116	51002	50080400	515
621.281-022	EXPERIMENTAL MECHANIC 2	4	3	4	7	M46	I5	15.0801	6116	51002	50080400	515

*** PROGRAM: 47.0602 AIRCRAFT MECHANICS. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	DES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
621.281-026	MECHANIC, FIELD AND SERVICE	3	3	3	7	M23456	I56	15.0801	6113	51002	50080400	508
621.381-010	FLIGHT-TEST SHOP MECHANIC	4	3	3	7	M46	I5		6116	51002	50080400	515
621.381-014	MECHANIC, AIRCRAFT ACCESSORIES	3	3	3	6	M46	I		6116	51002	50080400	515
621.381-018	MECHANIC, FLOWMETER TEST AND CERTIFICATI	4	3	3	7	L46	I	47.0401	6175	51900	50083299	539
621.381-022	PNEUMATIC TESTER AND MECHANIC	3	3	3	6	M3456	I	47.0401	6175	51002	50080400	539
621.684-010	AIRFRAME-AND-POWER-PLANT-MECHANIC HELPER	3	2	2	4	M346	B		8632	56900	80002823	864
621.684-014	RECLAMATION WORKER	3	2	2	4	M234	B6		6179	51002	50080400	547
638.381-010	FUEL-SYSTEM-MAINTENANCE WORKER	3	3	3	7	H346	B67	47.0401	6116	51900	50083299	515
639.281-010	AVIATION SUPPORT EQUIPMENT REPAIRER	3	3	3	5	L46	I		6116	51900	50083299	515
693.260-010	DEVELOPER PROVER, MECHANICAL	4	4	4	7	L345	I5		6817	59001	50144899	645
693.260-014	EXPERIMENTAL-AIRCRAFT MECHANIC	4	3	4	7	M3456	I56		6116	51002	50080400	515
693.281-010	EXPERIMENTAL MECHANIC 1	4	4	4	7	M4	I		6831	55A47	50020201	656
699.685-034	TUBING OILER	2	1	2	3	M4	I5		7539	59002	63000000	717
706.684-066	INSTRUMENT-PANEL ASSEMBLER	3	2	3	4	L46	I	47.0401	7720	55E22	61080440	785
709.684-106	WIREWORKER	2	1	1	4	M4	I		7529	59002	63000000	715
722.381-014	INSTRUMENT INSPECTOR	4	3	3	7	L46	I		6881	55B58	50142202	689
728.384-010	ASSEMBLER, ELECTRICAL WIRE GROUP	2	2	2	3	L46	I	47.0105	7720	55E22	61080440	785
769.281-010	AIRPLANE WOODWORKER	4	4	3	6	M46	I		6839	55L34	61021404	659
806.281-038	MECHANIC, AIRCRAFT RIGGING AND CONTROLS	4	3	3	7	L2346	I6		6116	51002	50080400	515
806.281-054	TESTER, PLUMBING SYSTEMS	4	2	2	6	L46	I		6881	55B58	50142202	689
806.361-010	ASSEMBLER-INSTALLER APPRENTICE, GENERAL	4	3	2	6	M346	I5		6812	55U46	61080432	636
806.361-014	ASSEMBLER-INSTALLER, GENERAL	4	3	2	6	M346	I5		6812	55U46	61080432	636
806.381-010	AIRCRAFT MECHANIC, ARMAMENT	4	3	3	7	M234	I5		6179	51900	50083299	547
806.381-014	AIRCRAFT MECHANIC, HEAT AND VENT	4	3	3	7	M34	I		6116	55E22	61080440	515
806.381-018	AIRCRAFT MECHANIC, RIGGING AND CONTROLS	4	4	3	6	M34	I		6116	55E22	61080440	515
806.381-022	ASSEMBLER, AIRCRAFT POWER PLANT	3	2	3	6	M246	I5		6812	55E22	61080440	636
806.381-026	ASSEMBLER, AIRCRAFT, STRUCTURES AND SURF	4	3	3	6	M46	I		6812	55U46	61080432	636
806.381-038	ASSEMBLY MECHANIC, EXPERIMENTAL AIRCRAFT	4	3	3	7	M346	I		6812	55E22	61080440	636
806.484-010	ASSEMBLER, SUBASSEMBLY	3	2	1	5	M346	I		7720	55U46	61080432	785
806.684-034	ASSEMBLER, ROCKET ENGINES	3	1	2	4	M46	I		7720	55E22	61080440	785
806.684-042	CABLE SWAGER	3	2	2	5	M46	I5		7529	55E22	61080440	715
806.684-062	HONEYCOMB-BLANKET MAKER	3	2	1	5	M4	I		7720	59002	63000000	785
806.684-078	INSULATION-BLANKET MAKER	2	1	1	3	L46	I		7720	59002	63000000	785
806.684-110	PRESSURE SEALER-AND-TESTER	3	1	1	4	L346	I7		6116	55Q57	50142205	515
806.684-130	SKIN-LAP BONDER	2	2	2	3	M2346	I56		7720	59002	63000000	785
806.685-010	CABLE STRETCHER AND TESTER	3	2	1	4	L46	I5		7539	59002	63000000	717
807.261-010	AIRCRAFT BODY REPAIRER	4	3	3	7	M456	I5		6116	51002	50080400	515
807.381-014	BONDED STRUCTURES REPAIRER	3	2	2	6	L46	I6		6179	51002	50080400	547
807.684-018	BURNISHER AND BUMPER	2	1	1	3	L46	I57		6116	51900	50083299	515
809.687-014	HELPER, MANUFACTURING	2	1	1	2	M234	I5		8620	59003	80002899	873
823.281-010	AVIONICS TECHNICIAN	4	4	4	6	L345	I	15.0801	6151	51051	50082600	523
825.281-010	ELECTRICAL REPAIRER	3	2	2	6	S4	I		6159	55B12	50021401	533
825.281-018	ELECTRICIAN, AIRPLANE	4	3	3	7	L346	I5		6159	51002	50080400	533
825.281-038	EXPERIMENTAL-ROCKET-SLED MECHANIC	4	3	3	7	M4	I	15.0801	6179	51900	50083299	547
825.381-010	AIRCRAFT MECHANIC, ELECTRICAL AND RADIO	4	3	3	7	M4	I		6151	55E22	61080440	523
825.381-026	ELECTRICAL INSPECTOR	4	4	4	7	L34	I		6881	55Q57	50142205	689
827.381-014	WIND-TUNNEL MECHANIC	3	3	2	7	M4	I56		6179	51900	50083299	547
849.381-010	AIRPLANE COVERER	3	2	2	7	M2346	I7		6859	59001	50144899	674
862.381-010	AIRCRAFT MECHANIC, PLUMBING AND HYDRAULI	3	3	3	7	M346	I5		6450	51002	50080400	585
912.687-010	LINE-SERVICE ATTENDANT	3	2	2	2	M24	O57		8726	55T33	80002830	883

PROGRAM: 47.0603 AUTOMOTIVE BODY REPAIR. AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO REPAIR BODY AND FENDERS OF AUTOMOBILES. INCLUDES INSTRUCTION IN BODY PREPARATION FOR PAINTING AND FINISHING.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
620.261-018	AUTOMOBILE-REPAIR-SERVICE ESTIMATOR	4	3	3	7	L456	I	47.0604	6881	55A13	50081003	689
620.364-010	SQUEAK, RATTLE, AND LEAK REPAIRER	2	2	2	4	M3456	I		6115	51900	50083299	514
620.684-010	AUTOMOBILE WRECKER	3	2	2	4	H23	B		6179	51900	50083299	547
620.684-034	USED-CAR RENOVATOR	3	2	2	4	M4	B		6111	51012	50080800	505
705.684-026	GRINDER 1	2	1	2	3	M46	I567	48.0503	7758	55B19	61082401	794
705.684-034	METAL FINISHER	2	1	2	4	L46	I5	48.0503	7529	55B19	61082401	715
705.684-058	POLISHER	3	2	2	6	M46	I57	48.0503	7522	55B19	61082401	709
705.684-066	POLISHER APPRENTICE	3	2	2	6	M46	I57	48.0503	7522	55B19	61082401	709
706.381-046	WHEELWRIGHT	3	1	2	5	H346	I5		6111	51008	50081001	505
741.684-026	PAINTER, SPRAY 1	3	2	2	5	M46	I7		7756	55R68	61084210	789
806.684-058	HEADLINER INSTALLER	2	1	2	2	L234	I5	48.0303	7720	55E22	61080440	785
806.684-118	REPAIRER, GENERAL	3	2	2	4	M46	I		7720	51008	50081001	785
806.684-113	VINYL-TOP INSTALLER, AUTOMOBILE	2	1	1	2	L2346	I		7720	59003	80002899	785
806.687-014	CHASSIS INSPECTOR	2	2	2	3	L46	I		7820	55B58	50142202	796
806.687-018	FINAL INSPECTOR	3	2	3	4	L46	I		7820	55B58	50142202	796
807.267-010	SHOP ESTIMATOR	4	3	3	6	L3456	I5		6115	55A13	50081003	514
807.281-010	TRUCK-BODY BUILDER	4	3	3	7	M34	I		6115	59001	50144899	514
807.281-014	TRUCK-BODY-BUILDER APPRENTICE	4	3	3	7	M34	I		6115	59001	50144899	514
807.361-010	AUTOMOBILE-BODY CUSTOMIZER	3	2	2	6	M3456	I5		6115	51012	50080800	514
807.381-010	AUTOMOBILE-BODY REPAIRER	4	3	4	7	M346	I5		6115	51012	50080800	514
807.381-018	FRAME REPAIRER	3	2	1	7	H346	I		6115	51008	50081001	514
807.381-022	SERVICE MECHANIC	3	2	3	6	M34	I		6115	51008	50081001	514
807.587-010	WATER-TEST RIDER	2	1	2	3	S46	I		7830	55Q57	50142205	797
807.684-010	AUTOMOBILE-BUMPER STRAIGHTENER	2	1	1	3	H346	I5		6115	51012	50080800	514
807.684-026	INSTALLER, SOFT TOP	2	1	2	2	M4	I		7720	55S84	50080600	785
807.684-030	MECHANICAL ASSEMBLER, PANELING	2	1	2	3	M34	I		7720	55E22	61080440	785
807.687-010	AUTOMOBILE-BODY-REPAIRER HELPER	2	1	1	2	M34	I5		8632	56900	80002823	864
809.684-034	REPAIRER, FINISHED METAL	3	1	1	5	H46	I		6179	59002	63000000	547
843.684-014	UNDERCOATER	2	1	1	3	L346	I7		7756	59002	63000000	789
845.381-010	PAINTER APPRENTICE, AUTOMOTIVE	3	2	2	6	M2346	I67		7669	55C11	61084201	759
845.381-014	PAINTER, TRANSPORTATION EQUIPMENT	3	2	2	6	M2346	I67		7669	55T37	61084211	759
845.684-014	PAINTER HELPER, AUTOMOTIVE	2	1	1	4	M34	I67		8618	59002	63000000	873
845.687-010	DEADENER	1	1	1	1	L46	I		7756	59003	80002899	789
865.684-010	GLASS INSTALLER	3	1	2	4	M46	I		6115	55S96	50141801	514

PROGRAM: 47.0604 AUTOMOTIVE MECHANICS.

--------------------- AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ENGAGE IN THE SERVICING AND MAINTENANCE OF ALL TYPES OF AUTOMOBILES. INCLUDES INSTRUCTION IN DIAGNOSIS OF MALFUNCTIONS IN THE REPAIR OF ENGINE; FUEL, ELECTRICAL, COOLING AND BRAKE SYSTEMS; AND DRIVE TRAIN AND SUSPENSION SYSTEMS. ALSO INSTRUCTION IS GIVEN IN ADJUSTMENT AND REPAIR OF INDIVIDUAL COMPONENTS AND SYSTEMS SUCH AS RADIATORS, TRANSMISSIONS, AND CARBURETORS.

DICTIONARY OF OCCUPATIONAL TITLES CODE	FOURTH EDITION TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
221.367-066	SCHEDULER, MAINTENANCE	3	2	3	4	S45	I		4751	62003	40062400	359
375.167-018	COMMANDING OFFICER, MOTOR EQUIPMENT	4	3	4	8	S5	I		1370	44501	70101004	019
379.364-010	AUTOMOBILE TESTER	3	2	2	4	L3456	I7		7820	10001	20040800	796
620.261-010	AUTOMOBILE MECHANIC	4	3	3	7	M3456	I57		6111	51008	50081001	505
620.261-012	AUTOMOBILE-MECHANIC APPRENTICE	4	3	3	7	M3456	I57		6111	51008	50081001	506
620.261-014	AUTOMOBILE TESTER	4	3	3	7	L3456	I		6881	55A13	50081003	689
620.261-018	AUTOMOBILE-REPAIR-SERVICE ESTIMATOR	4	3	3	7	L456	I	47.0603	6881	55A13	50081003	689
620.281-010	AIR-CONDITIONING MECHANIC	3	2	3	6	M3456	I	47.0203	6111	51008	50081001	505
620.281-014	AUTOMOTIVE TECHNICIAN, EXHAUST EMISSIONS	4	2	3	7	L46	I5		6881	10001	20040800	689
620.281-018	AUTOMOTIVE-MAINTENANCE-EQUIPMENT SERVICE	4	3	3	7	M346	I5	47.0303	6130	51043	50081807	518
620.281-026	BRAKE REPAIRER	3	3	3	6	M346	I5		6111	51008	50081001	505
620.281-030	BUS INSPECTOR	4	4	4	7	M3456	B57		6881	51008	50081001	689
620.281-034	CARBURETOR MECHANIC	3	2	3	7	L46	I		6111	51008	50081001	505
620.281-038	FRONT-END MECHANIC	3	3	3	6	L346	I		6111	51008	50081001	505
620.281-046	MAINTENANCE MECHANIC	4	3	3	7	M34	I56	47.0302	6111	51008	50081001	505
620.281-062	TRANSMISSION MECHANIC	3	3	3	7	M345	I		6111	51008	50081001	505
620.281-066	TUNE-UP MECHANIC	4	3	3	7	L345	I57		6111	51008	50081001	505
620.281-070	VEHICLE-FUEL-SYSTEMS CONVERTER	3	2	3	6	L46	I		6111	51008	50081001	505
620.381-010	AUTOMOBILE-RADIATOR MECHANIC	3	2	3	6	M346	I		6111	51008	50081001	505
620.381-014	MECHANIC, ENDLESS TRACK VEHICLE	4	3	3	7	M34	I		6117	51034	50081803	516
620.584-010	SPRING-REPAIRER HELPER, HAND	2	1	2	4	H4	I5		8619	59002	63000000	873
620.684-014	AUTOMOBILE-MECHANIC HELPER	2	1	2	3	H346	I4		8632	56900	80002823	864
620.684-018	BRAKE ADJUSTER	2	2	2	2	L4	B		6111	51008	50081001	505
620.684-022	CLUTCH REBUILDER	3	2	3	4	M46	I		6111	51008	50081001	305
625.281-022	FUEL-INJECTION SERVICER	4	4	4	6	M46	I3		6111	51008	50081001	505
706.687-014	CLUTCH INSPECTOR	2	1	2	3	M34	I		7820	55B58	50142202	796
710.261-010	INSTRUMENT REPAIRER	4	3	4	8	L3456	B		6111	55B62	50083221	505
710.281-038	TAXIMETER REPAIRER	4	3	3	6	L46	I	47.0401	6171	55B62	50083221	535
721.281-010	AUTOMOTIVE-GENERATOR-AND-STARTER REPAIRE	4	3	2	6	M346	I	47.0107	6152	51008	50081001	533
721.281-026	PROPULSION-MOTOR-AND-GENERATOR REPAIRER	4	3	2	7	M46	I	47.0107	6152	51008	50081001	533
801.687-010	ASSEMBLER HELPER, INTERNAL COMBUSTION EN	2	1	1	2	H34	I5		7720	59003	80002899	785
806.261-010	INTERNAL-COMBUSTION-ENGINE INSPECTOR	4	3	4	7	M46	I5		6881	55B58	50142202	689
806.361-026	NEW-CAR GET-READY MECHANIC	3	2	2	6	M346	B		6111	59002	63000000	505
806.481-014	ASSEMBLER, INTERNAL COMBUSTION ENGINE	4	3	3	6	M346	I5		6812	55E22	61080440	636
806.684-010	ASSEMBLER, AUTOMOBILE	2	1	2	2	M4	I		7720	55E22	61080440	785
806.684-038	AUTOMOBILE-ACCESSORIES INSTALLER	2	1	2	4	M34	I		6111	55E22	61080440	505
807.664-010	MUFFLER INSTALLER	3	2	2	4	M456	I		6111	55E22	61080440	505
807.684-022	FLOOR SERVICE WORKER, SPRING	2	1	1	4	H46	B		6111	59002	63000000	505
825.281-022	ELECTRICIAN, AUTOMOTIVE	4	3	3	7	L346	I7		6159	51008	50081001	533
825.684-010	ELECTRICIAN HELPER, AUTOMOTIVE	2	2	2	2	M4	I		8632	56005	80002823	864
829.684-014	BODY WIRER	3	2	3	4	L34	I		7720	55E22	61080440	785
915.684-010	TIRE REPAIRER	2	1	1	3	H34	I		6179	55D22 55D68	61088614 61082606	547
915.687-030	TAXI SERVICER	2	1	1	2	M34	B		8769	59003	80002899	889
919.363-010	NEW-CAR INSPECTOR	3	2	2	4	L46	O		8280	55B58	50142202	689

PROGRAM: 47.0605 DIESEL ENGINE MECHANICS. AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO REPAIR DIESEL ENGINES IN VEHICLES SUCH AS BUSES, SHIPS, TRUCKS, RAILROAD LOCOMOTIVES, AND CONSTRUCTION EQUIPMENT, AND TO REPAIR STATIONARY DIESEL ENGINES IN ELECTRICAL GENERATORS AND RELATED EQUIPMENT. INCLUDES INSTRUCTION IN DIAGNOSING MALFUNCTIONS; DISASSEMBLING ENGINES AND REPLACING PARTS; AND IN REPAIRING AND ADJUSTING FUEL-INJECTION SYSTEMS, OIL AND WATER PUMPS, GENERATORS, GOVERNORS, AUXILIARY AND ACCOMPANYING POWER UNITS, CONTROLS, AND TRANSMISSIONS, USING A VARIETY OF TOOLS AND TESTING AND DIAGNOSTIC EQUIPMENT.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
620.281-050	MECHANIC, INDUSTRIAL TRUCK	4	3	3	7	M345	I	47.0302	6112	51034	50081803	507
620.281-058	TRACTOR MECHANIC	4	3	3	7	M346	I4	01.0204 47.0302	6112	51034	50081803	507
625.261-010	DIESEL-ENGINE TESTER	4	3	3	7	M246	I56	15.0804	6881	51019	50083222	689
625.281-010	DIESEL MECHANIC	4	3	3	7	H3456	I5		6112	51019	50083222	507
625.281-014	DIESEL-MECHANIC APPRENTICE	4	3	3	7	H3456	I5		6112	51019	50083222	507
625.361-010	DIESEL-ENGINE ERECTOR	4	3	3	7	M2346	I56		6112	51019	50083222	507
625.684-010	DIESEL-MECHANIC HELPER	2	2	2	4	M2346	I5	01.0204	8632	56900	80002823	864
706.684-062	INJECTOR ASSEMBLER	3	2	2	5	L46	I		7720	55E22	61080440	785
919.687-018	SAFETY INSPECTOR, TRUCK	3	2	2	4	L346	B		8280	55B58	50142202	689

PROGRAM: 47.0606 SMALL ENGINE REPAIR. AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO MAINTAIN AND REPAIR SMALL INTERNAL-COMBUSTION ENGINES USED ON PORTABLE POWER EQUIPMENT SUCH AS LAWNMOWERS, CHAIN SAWS, ROTARY TILLERS, MOTORCYCLES, AND SNOWMOBILES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
620.281-054	MOTORCYCLE REPAIRER	3	3	3	6	H346	I5		6114	51008	50081001	509
620.384-010	MOTORCYCLE TESTER	3	3	3	5	M345	I		7830	55Q57	50142205	797
620.684-026	MOTORCYCLE SUBASSEMBLY REPAIRER	3	2	2	5	H3456	I		6114	51008	50081001	509
625.281-018	ENGINE REPAIRER, SERVICE	4	3	3	7	M456	I5		6114	51900	50083299	509
625.281-026	GAS-ENGINE REPAIRER	3	3	3	6	M34	I5	01.0204	6114	51900	50083299	509
625.281-030	POWER-SAW MECHANIC	3	3	3	6	M4	I	01.0203	6114	51031	50083207	509
625.281-034	SMALL-ENGINE MECHANIC	3	3	3	6	M45	B	01.0204	6114	51031	50083207	509
625.381-010	ENGINE REPAIRER, PRODUCTION	4	3	3	6	M46	I5		6114	51900	50083299	509
806.281-018	FINAL INSPECTOR, MOTORCYLES	4	2	2	7	L456	B		6881	55B58	50142202	689
806.684-090	MOTORCYCLE ASSEMBLER	3	1	1	5	H34	I		7720	55E22	61080440	785
806.684-094	MOTORCYCLE SUBASSEMBLER	3	2	1	5	H3456	I		7720	55E22	61080440	785

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PROGRAM: 47.0699 **VEHICLE AND MOBILE EQUIPMENT MECHANICS AND REPAIRERS, OTHER.**
ANY INSTRUCTIONAL PROGRAM IN VEHICLE AND MOBILE EQUIPMENT MECHANICS AND REPAIRERS NOT DESCRIBED ABOVE.

PROGRAM: 47.9900 **MECHANICS AND REPAIRERS, OTHER.**
A GROUP OF INSTRUCTIONAL PROGRAMS IN MECHANICS AND REPAIRERS NOT DESCRIBED ABOVE.

PROGRAM: 47.9999 **MECHANICS AND REPAIRERS, OTHER.**
ANY INSTRUCTIONAL PROGRAM IN MECHANICS AND REPAIRERS NOT DESCRIBED ABOVE.

PROGRAM: 48.0000 **PRECISION PRODUCTION.**
A SUMMARY OF GROUPS OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS TO PRODUCE PRECISION GOODS AND MATERIALS BY HAND OR MACHINE. IN MANY INSTANCES, INSTRUCTIONAL ACTIVITIES ARE DESIGNED TO CULTIVATE AN ABILITY TO INTERPRET DETAILED INSTRUCTIONS DETAILED SPECIFICATIONS, AND TO PRODUCE OR MANUFACTURE GOODS AT LOW TOLERANCES.

PROGRAM: 48.0100 **DRAFTING.**
A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS TO PLAN, PREPARE, AND INTERPRET MECHANICAL, ARCHITECTURAL, STRUCTURAL, PNEUMATIC, MARINE, ELECTRIC/ELECTRONIC, TOPOGRAPHICAL, AND OTHER SKETCHES; TO USE REPRODUCTION MATERIALS, EQUIPMENT, AND PROCESSES TO DEVELOP, PLAN AND PROCESS CHARTS AND DRAWINGS; TO DEVELOP MODELS; AND TO PREPARE REPORTS AND DATA SHEETS FOR WRITING SPECIFICATIONS.

PROGRAM: 48.0101 **DRAFTING, GENERAL.**
AN INSTRUCTIONAL PROGRAM THAT GENERALLY PREPARES INDIVIDUALS TO PLAN, PREPARE, AND INTERPRET MECHANICAL, ARCHITECTURAL, STRUCTURAL, PNEUMATIC, MARINE, ELECTRIC/ELECTRONIC, TOPOGRAPHICAL, AND OTHER SKETCHES; TO USE REPRODUCTION MATERIALS, EQUIPMENT, AND PROCESSES, TO DEVELOP, PLAN, AND PROCESS CHARTS AND DRAWINGS; TO DEVELOP MODELS; AND TO PREPARE REPORTS AND DATA SHEETS FOR WRITING SPECIFICATIONS.

PROGRAM: 48.0102 ARCHITECTURAL DRAFTING. AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO SUPPORT ARCHITECTS AND/OR ARCHITECTURAL ENGINEERS IN DEVELOPING PLANS FOR BUILDINGS OR OTHER STRUCTURES, USING A VARIETY OF BUILDING MATERIALS; IN CREATING LAYOUTS AND DESIGNS IN KEEPING WITH BUILDING CODES, ZONING LAWS, ORDINANCES, AND OTHER REGULATIONS; AND IN STYLING AND PLANNING IN KEEPING WITHIN COST LIMITATIONS AND CLIENT PREFERENCES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
001.261-010	DRAFTER, ARCHITECTURAL	4	4	3	7	S46	I	15.0202	3720	32003	10080601	217
001.261-014	DRAFTER, LANDSCAPE	4	4	3	7	S46	I	15.0101 15.0202	3720	32003	10080601	217
017.261-026	DRAFTER, COMMERCIAL	5	5	4	6	S46	I	15.0201 15.0202	3720	32003	10080601	217
017.261-030	DRAFTER, DETAIL	4	4	4	7	S46	I	15.0202 48.0103 48.0105	3720	32003	10080601	217
017.261-034	DRAFTER, HEATING AND VENTILATING	5	5	4	7	S46	I	15.0202 15.0501	3720	32003	10080601	217
017.261-038	DRAFTER, PLUMBING	5	5	4	7	S46	I	15.0101 15.0202	3720	32003	10080601	217
017.281-014	DRAFTER APPRENTICE	5	5	4	7	S46	I	15.0202 48.0103 48.0104 48.0105	3720	32003	10080601	217
017.281-018	DRAFTER, ASSISTANT	4	4	3	7	S46	I	15.0201 15.0202 48.0103 48.0104	3720	32003	10080601	217
017.281-018	DRAFTER, ASSISTANT	4	4	3	7	S46	I	48.0105	3720	32003	10080601	217
017.281-030	DRAFTER, OIL AND GAS	4	4	3	7	L46	I	15.0202 15.0903 48.0103 48.0105	3720	32003	10080601	217
019.261-014	ESTIMATOR AND DRAFTER	5	5	5	7	L45	B	15.0202 48.0103 48.0104	3720	32021	10080602	217
920.687-038	BLUEPRINT TRIMMER	2	1	[illegible]	2	L4	I	48.0103 48.0104 48.0105	8761	59003	80002899	888
979.682-010	BLOCKER 1	3	2	2	7	L46	I	48.0103 48.0104 48.0105 48.0205	7649	59001	50144899	737
979.682-014	BLUEPRINTING-MACHINE OPERATOR	3	1	1	5	L46	I	48.0103 48.0104 48.0105	7644	55A33	61084400	735

PROGRAM: 48.0103 CIVIL/STRUCTURAL DRAFTING.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO DEVELOP DETAILED CONSTRUCTION DRAWINGS, TOPOGRAPHICAL PROFILES, AND RELATED MAPS AND SPECIFICATIONS SHEETS FOR USE IN THE PLANNING AND CONSTRUCTION OF HIGHWAYS, RIVER AND HARBOR IMPROVEMENTS, FLOOD-CONTROL STRUCTURES, DRAINAGE STRUCTURES, SANITATION PLANTS, AND OTHER STRUCTURES. INCLUDES INSTRUCTION IN COMPUTING THE VOLUME OF EXCAVATION AND FILL TONNAGE AND IN PREPARING GRAPHS AND HAULING DIAGRAMS FOR USE IN EARTH-MOVING OPERATIONS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
005.281-010	DRAFTER, CIVIL	5	5	4	7	S46	I	15.0201 15.0202	3720	32003	10080601	217
005.281-014	DRAFTER, STRUCTURAL	5	5	4	7	S46	I	15.0201 15.0202	3720	32003	10080601	217
010.281-010	DRAFTER, DIRECTIONAL SURVEY	5	5	5	7	L46	I		3720	32003	10080601	217
010.281-014	DRAFTER, GEOLOGICAL	5	5	5	6	S46	I	15.0203	3720	32003	10080601	217
010.281-018	DRAFTER, GEOPHYSICAL	5	5	5	7	L46	I	15.0203	3720	32003	10080601	217
014.281-010	DRAFTER, MARINE	5	5	4	7	S46	I	15.0202	3720	32003	10080601	217
017.261-030	DRAFTER, DETAIL	4	4	4	7	S45	I	15.0202 48.0102 48.0105	3720	32003	10080601	217
017.281-014	DRAFTER APPRENTICE	5	5	4	7	S46	I	15.0202 48.0102 48.0104 48.0105	3720	32003	10080601	217
017.281-018	DRAFTER, ASSISTANT	4	4	3	7	S46	I	15.0201 15.0202 48.0102 48.0104 48.0105	3720	32003	10080601	217
017.281-030	DRAFTER, OIL AND GAS	4	4	3	7	L46	I	15.0202 15.0903 48.0102 48.0105	3720	32003	10080601	217
018.261-010	DRAFTER, CARTOGRAPHIC	4	4	3	7	S46	I	15.0203	3734	32003	10080601	218
018.261-014	DRAFTER, TOPOGRAPHICAL	5	5	5	7	S46	I	15.0203	3734	32003	10080601	218
018.281-010	STEREO-PLOTTER OPERATOR	4	4	4	7	L46	I	15.0203	3734	32003	10080601	218
019.261-014	ESTIMATOR AND DRAFTER	5	5	5	7	L45	B	15.0202 48.0102 48.0104	3720	32021	10080602	217
920.687-038	BLUEPRINT TRIMMER	2	1	1	2	L4	I	48.0102 48.0104 48.0105	8761	59003	80002899	888
979.682-010	BLOCKER 1	3	2	2	7	L46	I	48.0102 48.0104 48.0105 48.0205	7649	59001	50144899	737
979.682-014	BLUEPRINTING-MACHINE OPERATOR	3	1	1	5	L46	I	48.0102 48.0104 48.0105	7644	55A33	61084400	735

PROGRAM: 48.0104 ELECTRICAL/ELECTRONICS DRAFTING.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO DEVELOP WORKING DRAWINGS AND WIRING DIAGRAMS USED BY CONSTRUCTION CREWS AND REPAIRERS TO INSTALL AND REPAIR ELECTRICAL EQUIPMENT, POWER PLANTS, INDUSTRIAL ESTABLISHMENTS, AND COMMERCIAL OR DOMESTIC BUILDINGS. INCLUDES INSTRUCTION IN DRAFTING THE WIRING AND SCHEMATIC DIAGRAMS AND LAYOUTS DRAWINGS USED TO MANUFACTURE, ASSEMBLE, INSTALL, AND REPAIR ELECTRICAL/ELECTRONIC EQUIPMENT SUCH AS TELEVISION CAMERAS, RADIO TRANSMITTERS, RECEIVERS, AUDIOAMPLIFIERS, COMPUTERS, AND RELATED EQUIPMENT.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
003.281-010	DRAFTER, ELECTRICAL	5	5	5	7	S46	I		3720	32003	10080601	217
003.281-014	DRAFTER, ELECTRONIC	5	5	4	7	S46	I		3720	32003	10080601	217
017.261-014	DESIGN DRAFTER, ELECTROMECHANISMS	5	5	4	7	S46	I	15.0202	3720	32003	10080601	217
017.281-014	DRAFTER APPRENTICE	5	5	4	7	S46	I	15.0202 48.0102 48.0103 48.0105	3720	32003	10080601	217
017.281-018	DRAFTER, ASSISTANT	4	4	3	7	S46	I	15.0201 15.0202	3720	32003	10080601	217
017.281-018	DRAFTER, ASSISTANT	4	4	3	7	S46	I	48.0102 48.0103 48.0105	3720	32003	10080601	217
019.261-014	ESTIMATOR AND DRAFTER	5	5	5	7	L45	B	15.0202 48.0102 48.0103	3720	32021	10080602	217
920.687-038	BLUEPRINT TRIMMER	2	1	1	2	L4	I	48.0102 48.0103 48.0105	8761	59003	80002899	888
979.682-010	BLOCKER 1	3	2	2	7	L46	I	48.0102 48.0103 48.0105 48.0205	7649	59001	50144899	737
979.682-014	BLUEPRINTING-MACHINE OPERATOR	3	1	1	5	L46	I	48.0102 48.0103 48.0105	7644	55A33	61084400	735

PROGRAM: 48.0105 MECHANICAL DRAFTING.
-------------------- AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ASSIST ENGINEERS IN THE DEVELOPMENT OF DETAILED WORKING DRAWINGS AND RELATED SPECIFICATIONS FOR MECHANICAL DEVICES AND MACHINERY. INCLUDES INSTRUCTION IN SKETCHING ROUGH LAYOUTS; DRAFTING DETAILED MULTIVIEW DRAWINGS; COMPUTING MAGNITUDE, DIRECTION, AND POINT OF APPLICATION OF TENSION, COMPRESSION, AND BENDING FACTORS; COMPILING AND ANALYZING TEXT DATA TO DETERMINE DESIGN EFFECTS ON MACHINERY IN RELATION TO TEMPERATURE, PRESSURE, SPEED, HORSEPOWER, AND FUEL CONSUMPTION; AND PRODUCING DRAWINGS THAT INDICATE DIMENSIONS, TOLERANCES, FASTENERS, JOINING REQUIREMENTS, AND OTHER ENGINEERING DATA.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION		GED			S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	D E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
CODE	TITLE	R	M	L								
002.261-010	DRAFTER, AERONAUTICAL	5	5	4	7	S46	I	15.0202	3720	32003	10080601	217
007.161-010	DIE DESIGNER	4	4	4	7	S46	I	15.0805	3720	32900	10081898	217
007.161-014	DIE-DESIGNER APPRENTICE	4	4	4	7	S46	I	15.0805	3720	32900	10081898	217
007.161-018	ENGINEERING ASSISTANT, MECHANICAL EQUIPM	5	5	5	7	S46	I	15.0202 15.0805	3720	32003	10080601	217
007.167-010	DIE-DRAWING CHECKER	5	5	4	7	S6	I	15.0202	1635	32900	10081898	057
007.261-014	DRAFTER, CASTINGS	4	4	4	7	S46	I	15.0202	3720	32003	10080601	217
007.261-018	DRAFTER, PATENT	5	5	5	7	S46	I	15.0202	3720	32003	10080601	217
007.261-022	DRAFTER, TOOL DESIGN	5	5	5	7	S46	I	15.0202	3720	32003	10080601	217
007.281-010	DRAFTER, MECHANICAL	5	5	5	7	S46	I	15.0202 15.0805	3720	32003	10080601	217
017.261-018	DETAILER	4	4	4	7	S46	I	15.0201 15.0202	3720	32003	10080601	217
017.261-022	DETAILER, FURNITURE	4	4	4	7	L46	I		3720	32003	10080601	217
017.261-030	DRAFTER, DETAIL	4	4	4	7	S46	I	15.0202 48.0102 48.0103	3720	32003	10080601	217
017.281-010	AUTO-DESIGN DETAILER	4	4	3	6	L46	I	15.0202	3720	32003	10080601	217
017.281-014	DRAFTER APPRENTICE	5	5	4	7	S46	I	15.0202 48.0102 48.0103 48.0104	3720	32003	10080601	217
017.281-018	DRAFTER, ASSISTANT	4	4	3	7	S46	I	15.0201 15.0202 48.0102 48.0103 48.0104	3720	32003	10080601	217
017.281-022	DRAFTER, AUTOMOTIVE DESIGN	5	4	4	7	L456	I	15.0202 15.0803	3720	32003	10080601	217
017.281-026	DRAFTER, AUTOMOTIVE DESIGN LAY-OUT	4	4	3	7	L46	I	15.0202	3720	32003	10080601	217
017.281-030	DRAFTER, OIL AND GAS	4	4	3	7	L46	I	15.0202 15.0903 48.0102 48.0103	3720	32003	10080601	217
920.687-038	BLUEPRINT TRIMMER	2	1	1	2	L4	I	48.0102 48.0103 48.0104	8761	59003	80002899	888

*** PROGRAM: 48.0105 MECHANICAL DRAFTING. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
979.682-010	BLOCKER 1	3	2	2	7	L46	I	48.0102 48.0103 48.0104 48.0205	7649	59001	50144899	737
979.682-014	BLUEPRINTING-MACHINE OPERATOR	3	1	1	5	L46	I	48.0102 48.0103 48.0104	7644	55A33	61084400	735

PROGRAM: 48.0199 DRAFTING, OTHER.

ANY INSTRUCTIONAL PROGRAM IN DRAFTING NOT DESCRIBED ABOVE.

PROGRAM: 48.0200 GRAPHIC AND PRINTING COMMUNICATIONS.

A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS TO DESIGN AND EXECUTE LAYOUTS AND ILLUSTRATIONS FOR ADVERTISING DISPLAYS AND INSTRUCTIONAL MANUALS. INCLUDES INSTRUCTION IN ALL PHASES OF OFFSET PRINTING, LAYOUT, COMPOSITION, PRESSWORK AND BINDING, FLEXOGRAPHY, LITHOGRAPHY, PHOTOENGRAVING, AND OTHER GRAPHIC ARTS RELATED TO THE PRINTING INDUSTRY.

PROGRAM: 48.0201 GRAPHIC AND PRINTING COMMUNICATIONS, GENERAL.

AN INSTRUCTIONAL PROGRAM THAT GENERALLY PREPARES INDIVIDUALS IN THE APPROACHES AND TECHNIQUES USED IN THE VARIOUS GRAPHIC AND PRINTING COMMUNICATIONS SPECIALTIES.

PROGRAM: 48.0202 BOOKBINDING.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO GATHER PAGES, FORMS, AND RELATED MATERIALS FOR ASSEMBLY INTO BOOKS OR PAMPHLETS. INCLUDES INSTRUCTION IN BINDING AND REPAIRING BOOKS AND DOCUMENTS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
221.367-014	ESTIMATOR, PRINTING	4	3	3	6	L45	I	48.0205 48.0208 48.0209	4752	25540	10243813	363
640.685-010	BOOK TRIMMER	2	1	1	3	L46	I6		7678	55T81	50100205	769
641.682-014	GLUING-MACHINE OPERATOR, AUTOMATIC	3	2	2	4	L4	I		7474	55T81	50100205	765
649.685-090	PERFORATING-MACHINE OPERATOR	2	1	1	4	L4	I		7679	55T81	50100205	777
653.360-010	CASING-IN-LINE SETTER	3	2	3	8	L46	I5		7449	55T28	50100202	737
653.360-014	FOLDING-MACHINE SETTER	3	2	2	8	L46	I5		7449	55T28	50100202	737
653.360-018	GATHERING-MACHINE SETTER	3	2	2	8	L46	I5		7449	55T28	50100202	737
653.380-010	PERFECT-BINDER SETTER	3	2	2	8	L46	I5		7449	55T28	50100202	737
653.382-010	FOLDING-MACHINE OPERATOR	3	2	1	5	L46	I5		7649	55T81	50100205	737

980

981

*** PROGRAM: 48.0202 BOOKBINDING. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
653.562-010	SIDE-STITCHING-MACHINE OPERATOR	3	2	1	6	L4	I5		7449	55T83	50100207	737
653.585-010	COLLATING-MACHINE OPERATOR	2	1	1	4	L4	I5		7649	55T82	50100206	737
653.662-010	SADDLE-STITCHING-MACHINE OPERATOR	3	1	2	6	L45	I5		7449	55T83	50100207	737
653.680-010	STITCHING-MACHINE SETTER	3	1	2	5	L46	I5		7449	55T28	50100202	737
653.682-010	BOOK-SEWING-MACHINE OPERATOR 2	2	1	1	4	L46	I5		6844	55T83	50100207	679
653.682-014	COVERING-MACHINE OPERATOR	3	2	1	5	L4	I5		7649	55T81	50100205	737
653.682-018	HEAD-BANDER-AND-LINER OPERATOR	3	2	1	3	L4	I5		7449	55T83	50100207	737
653.682-022	TINNING-MACHINE SET-UP OPERATOR	3	1	2	5	M4	I		7449	59002	63000000	737
653.685-010	BINDERY WORKER	2	2	2	4	L4	I5		7649	55T82	50100206	737
653.685-014	BOOK-SEWING-MACHINE OPERATOR 1	2	1	1	4	L46	I5		7649	55T83	50100207	737
653.685-018	CASE-MAKING-MACHINE OPERATOR	2	1	1	4	L46	I		7661	55T81	50100205	753
653.685-022	MAGAZINE REPAIRER	2	1	2	3	L46	I5		7649	55T83	50100207	737
653.685-026	ROUNDING-AND-BACKING-MACHINE OPERATOR	3	2	2	4	L4	I		7649	55T81	50100205	737
653.685-030	SPIRAL BINDER	1	1	1	2	L4	I		7649	55T82	50100206	737
653.686-010	CASING-IN-LINE FEEDER	1	1	1	2	L4	I5		8725	55T84	50100208	878
653.686-018	GATHERING-MACHINE FEEDER	1	1	1	2	L4	I5		8725	55T84	50100208	878
653.686-022	PERFECT-BINDER FEEDER-OFFBEARER	1	1	1	2	L4	I5		8725	55T84	50100208	878
653.686-026	STITCHING-MACHINE FEEDER-OFFBEARER	1	1	1	2	L46	I5		8725	55T84	50100208	878
653.687-010	COLLATOR	2	2	1	2	L46	I		7820	55T82	50100206	796
653.687-014	INSPECTOR, PUBLICATIONS	2	1	2	2	L46	I5		7820	55B58	50142202	796
659.685-014	SAMPLE-BOOK MAKER	2	1	1	2	M4	I		7678	55T66	61081403	769
692.685-146	SADDLE-AND-SIDE WIRE STITCHER	2	1	1	2	L4	I		7679	55T83	50100207	777
749.687-010	DIPPER AND DRIER	1	1	1	2	H234	I7		7756	55R68	61084210	789
794.687-026	FORWARDER	2	1	1	3	L4	I		7740	55T30	50100205	785
794.687-030	GLUER AND SLICER, HAND	2	1	1	2	H34	I56		7740	55T65	63000000	785
795.684-010	CASER	2	2	1	4	L4	I		7759	55T30	50100205	795
795.684-022	TIPPER	2	2	1	3	L46	I		7759	55T82	50100206	795
977.381-010	BOOKBINDER	3	2	2	7	L46	I		6844	55T30	50100205	679
977.381-014	BOOKBINDER, APPRENTICE	3	2	2	7	L46	I		6844	55T30	50100205	679
977.684-010	BOOK REPAIRER	2	1	1	3	L46	I		6179	55T30	50100205	547
977.684-014	INLAYER	3	1	1	4	S46	I		7756	55T82	50100206	789
977.684-018	PRESSER	3	1	1	4	L46	I		7667	55T30	50100205	758
977.684-022	STITCHER, HAND	2	1	1	4	L46	I		7752	55T30	50100205	674
977.687-010	COLLATOR, HAND	2	1	1	3	L46	I		7850	59002	63000000	799
979.137-010	SUPERVISOR, FINISHING ROOM	4	2	2	7	L456	I		7100	55B29	50040003	633

PROGRAM: 48.0203 COMMERCIAL ART.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO DESIGN AND EXECUTE LAYOUTS AND MAKE ILLUSTRATIONS FOR ADVERTISING DISPLAYS AND INSTRUCTIONAL MANUALS. INCLUDES INSTRUCTION IN THE PREPARATION OF COPY; LETTERING, POSTER, PACKAGE, AND PRODUCT DESIGN; FASHION ILLUSTRATION; SILK SCREENING; AIR BRUSHING; AND INKS AND COLOR DYNAMICS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
141.031-010	ART DIRECTOR	5	3	5	8	S456	I		3220	25426	10221601	183
141.051-010	COLOR EXPERT	5	2	4	7	L56	I	04.0501 20.0505	3250	25489	10221001	188

*** PROGRAM: 48.0203 COMMERCIAL ART. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
141.061-010	CARTOONIST	5	2	4	7	S46	I		3250	25426	10221601	188
141.061-014	FASHION ARTIST	5	2	4	7	S46	I	20.0306	3250	25426	10221601	188
141.061-018	GRAPHIC DESIGNER	5	3	4	7	S456	I	50.0801	3220	25426	10221601	183
141.061-022	ILLUSTRATOR	5	2	4	7	S46	I		3250	25426	10221601	188
141.061-026	ILLUSTRATOR, MEDICAL AND SCIENTIFIC	5	4	5	7	S46	I	17.0504	3250	25426	10221601	188
141.061-030	ILLUSTRATOR, SET	5	3	4	8	S46	I		3250	25426	10221601	188
141.067-010	CREATIVE DIRECTOR	5	3	5	8	S56	I	09.0201	3220	25426	10221601	183
141.081-010	CARTOONIST, MOTION PICTURES	5	2	4	7	S46	I		3250	25426	10221601	188
141.081-014	COMMERCIAL DESIGNER	5	3	4	7	S46	I		3220	25489	10221001	183
142.061-010	BANK-NOTE DESIGNER	4	3	4	8	S456	I		3220	25489	10221001	183
142.061-014	CLOTH DESIGNER	4	3	4	7	S456	I	15.0609 20.0303	3220	25489	10221001	183
142.061-018	CLOTHES DESIGNER	5	3	5	7	L456	I	20.0303 20.0306	3220	25489	10221001	183
142.061-022	FURNITURE DESIGNER	5	4	4	7	S456	I		3220	25489	10221001	183
142.061-026	INDUSTRIAL DESIGNER	5	4	4	7	S456	I		3220	25489	10221001	183
142.061-030	MEMORIAL DESIGNER	4	4	3	7	L46	I		3250	25489	10221001	188
142.061-034	ORNAMENTAL-METALWORK DESIGNER	5	4	4	8	L456	I6		3220	25489	10221001	183
142.061-042	SET DECORATOR	5	2	4	8	S6	I		3220	25489	10221001	183
142.061-046	SET DESIGNER	5	3	4	8	S46	I		3220	25489	10221001	183
142.061-050	SET DESIGNER	5	3	4	8	L456	I		3220	25489	10221001	183
142.061-054	STAINED GLASS ARTIST	5	3	4	8	S46	I		3220	25489	10221001	183
142.081-014	FUR DESIGNER	4	2	4	7	L456	I	20.0303	3220	25528	10221003	183
142.081-018	PACKAGE DESIGNER	5	3	4	7	S46	I		3220	25489	10221001	183
142.281-010	COPYIST	4	2	4	6	L46	I	20.0304	3220	25489	10221001	183
659.682-026	SIGN WRITER, MACHINE	3	1	2	4	L46	I	48.0205	7449	59002	63000000	737
781.381-010	CARTOON DESIGNER	4	3	3	7	S46	I	20.0303	6856	59001	50144899	673
970.281-010	AIRBRUSH ARTIST	4	2	3	7	S46	I	48.0204	6863	55C09	61084400	774
970.281-014	DELINEATOR	4	3	3	7	S46	I		6863	29000	10243899	774
970.281-022	SIGN WRITER, HAND	4	3	3	5	S46	I	08.0202	6863	59001	50144899	774
970.281-026	SKETCH MAKER, PHOTOENGRAVING	4	3	3	7	S46	I		6842	59001	50144899	735
970.381-014	DECORATOR, MANNEQUIN	3	2	2	6	L46	I		6863	55V04	61084202	774
970.381-018	LAY-OUT FORMER	4	2	3	7	S46	I		6863	59001	50144899	774
970.381-022	PAINTER, HAND	4	2	3	7	S46	I		6863	55V04	61084202	774
970.381-026	PAINTER, SIGN	4	3	3	7	L246	B6		6863	59001	50144899	774
970.381-038	STENCIL CUTTER	4	3	3	7	L46	I		6863	55T71	61089014	774
970.661-010	ENGROSSER	3	2	2	8	S46	I		6863	59001	50144899	774
970.661-014	LETTERER	3	2	2	6	S46	I		6863	59001	50144899	774
970.664-010	PAINTER HELPER, SIGN	3	2	3	5	L246	B6		8619	56900	80002823	873
970.681-014	COLORER	3	1	2	4	S46	I		7756	55V04	61084202	789
970.681-018	INKER AND OPAQUER	3	1	1	7	S46	I		6863	59001	50144899	774
970.681-022	MANUGRAPHER	3	2	2	4	S46	I		6863	59001	50144899	774
970.681-026	PAINTER, ANIMATED CARTOONS	3	1	1	4	S46	I		6863	59001	50144899	774
970.681-030	PAINTER, PLATE	3	1	2	6	S46	I		6863	59002	63000000	774
979.681-010	LETTERER	3	1	1	6	S46	I		6817	59001	50144899	645
979.684-018	LEGEND MAKER	2	1	2	3	L46	I		7759	59002	63000000	795
979.684-022	MAP-AND-CHART MOUNTER	3	2	2	5	L4	I		7679	59002	63000000	777

PROGRAM: 48.0204 COMMERCIAL PHOTOGRAPHY.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO USE CAMERAS AND LABORATORY FILM-PROCESSING TECHNIQUES. INCLUDES INSTRUCTION IN COMPOSITION AND COLOR DYNAMICS; CONTACT PRINTING; ENLARGING, DEVELOPING FILM; USE OF AIR BRUSH, CAMERAS, METERS, AND OTHER PHOTOGRAPHIC EQUIPMENT; PORTRAIT, COMMERCIAL, AND INDUSTRIAL PHOTOGRAPHY; PROCESSING MICROFILM, AND PREPARING COPY FOR PRINTING OR OTHER GRAPHIC-ARTS PROCESSING.

DICTIONARY OF OCCUPATIONAL TITLES CODE	FOURTH EDITION TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
143.062-014	PHOTOGRAPHER, AERIAL	4	3	3	7	L46	B56		3260	25202	10221801	189
143.062-018	PHOTOGRAPHER, APPRENTICE	4	3	4	7	L456	B		3260	25201	10221801	189
143.062-022	PHOTOGRAPHER, MOTION PICTURE	4	3	4	7	L456	B		3260	25205	10221802	189
143.062-026	PHOTOGRAPHER, SCIENTIFIC	4	3	4	7	L46	I		3260	25202	10221801	189
143.062-030	PHOTOGRAPHER, STILL	4	3	4	7	L456	B		3260	25201	10221801	189
143.062-034	PHOTOJOURNALIST	4	2	4	7	L456	B		3260	25299	10221801	189
143.362-010	BIOLOGICAL PHOTOGRAPHER	4	3	3	6	L46	B		3260	25202	10221801	189
143.382-010	CAMERA OPERATOR, ANIMATION	4	3	3	6	L46	I	10.0103	3260	25299	10221801	189
143.382-014	PHOTOGRAPHER, FINISH	4	2	3	6	L46	I		3260	25299	10221801	189
143.457-010	PHOTOGRAPHER	3	1	3	3	L456	I		3260	25299	10221801	189
970.281-010	AIRBRUSH ARTIST	4	2	3	7	S46	I	48.0203	6863	55C09	61084400	774
971.382-022	STEP-AND-REPEAT REDUCTION CAMERA OPERATO	4	2	2	7	L46	I		7444	55D59	50101002	735
976.684-026	SPLICER	2	1	1	2	L46	I		7720	52900	61084400	785

PROGRAM: 48.0205 COMPOSITION, MAKE-UP, AND TYPESETTING.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO LAYOUT, COMPOSE, AND MAKE-UP TYPESETTING AND TYPECAST, BY HAND AND BY MACHINE.

DICTIONARY OF OCCUPATIONAL TITLES CODE	FOURTH EDITION TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
203.382-026	VARITYPE OPERATOR	3	2	3	5	S46	I	07.0710	4793	55D60	50100400	385
203.582-042	PHOTOCOMPOSING-PERFORATOR-MACHINE OPERAT	4	3	3	6	S46	I	07.0608	4793	55T12	50100400	385
203.582-046	PHOTOCOMPOSITION-KEYBOARD OPERATOR	3	2	3	4	S46	I	07.0608	4793	55T12	50100400	385
203.582-062	TYPESETTER-PERFORATOR OPERATOR	3	1	3	4	S46	I	07.0608	4793	55D60 55T06	50100400 50100400	385
209.387-030	PROOFREADER	4	1	4	5	L46	I	07.0710	4792	55T15	40064410	384
209.667-010	COPY HOLDER	4	1	4	4	S56	I	07.0710	4792	55T15	40064410	384
221.167-010	COPY CUTTER	4	3	3	8	S456	I		4752	55T02	50100400	363
221.367-014	ESTIMATOR, PRINTING	4	3	3	6	L45	I	48.0202 48.0208 48.0209	4752	25540	10243813	363
247.667-010	PRODUCTION PROOFREADER	3	2	3	4	S6	I	07.0710	4792	55T15	40064410	384
650.582-010	LINOTYPE OPERATOR	4	2	3	7	M46	I5		7642	55T05	50100400	736
650.582-014	MONOTYPE-KEYBOARD OPERATOR	4	2	3	6	L46	I		7642	55T10	50100400	736
650.582-018	PHOTOCOMPOSING-MACHINE OPERATOR	3	1	1	6	L46	I		7642	55T13	50100400	736
650.582-022	PHOTOTYPESETTER OPERATOR	4	2	3	5	L46	I		7642	55T14	50100400	736
650.682-010	EQUIPMENT MONITOR, PHOTOTYPESETTING	3	1	2	4	L4	I		7642	55T13	50100400	736
650.685-010	TYPESETTING-MACHINE TENDER	3	1	2	4	L46	I5		7642	55T07	50100400	736
651.582-014	LITHOGRAPHIC-PROOFER APPRENTICE	3	2	2	5	M46	I	48.0208 48.0209	7643	55T25	50101210	734
652.585-010	PHOTOLETTERING-MACHINE OPERATOR	2	1	2	4	L46	I		7642	55D61	61088621	736
654.382-010	CASTING-MACHINE OPERATOR	3	2	2	6	M46	I5		7449	55T09	50100400	737

*** PROGRAM: 48.0205 COMPOSITION, MAKE-UP, AND TYPESETTING. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
654.582-010	TYPE-CASTING MACHINE OPERATOR	3	2	2	6	L46	I		7449	55T08	50100400	737
654.687-010	MATRIX INSPECTOR	2	1	2	3	L46	I		7820	55B58	50142202	796
654.687-014	PAGER	2	1	1	2	L4	I		7740	59003	80002899	785
659.382-010	EMBOSSER	4	2	2	6	L46	I		7449	55T79	63000000	737
659.682-014	EMBOSSING-PRESS OPERATOR	3	2	2	7	L46	I5		7449	55T79	63000000	737
659.682-018	EMBOSSING-PRESS-OPERATOR APPRENTICE	3	2	2	7	L46	I5		7449	55T79	63000000	737
659.682-026	SIGN WRITER, MACHINE	3	1	2	4	L46	I	48.0203	7449	59002	63000000	737
970.361-010	FORM DESIGNER	3	3	3	6	L46	I		6863	59002	63000000	774
970.381-030	RETOUCHER, PHOTOENGRAVING	3	3	3	7	S46	I	48.0206	6842	55T16	61084400	735
970.681-010	BEN-DAY ARTIST	3	1	2	6	L46	I		6863	59002	63000000	774
971.382-018	REPEAT-PHOTOCOMPOSING-MACHINE OPERATOR	4	3	3	7	L346	I4		7644	55T18	50101003	735
971.684-010	BLOCKER 2	3	2	2	4	L46	I		7756	55T18	50101003	789
972.281-010	PROCESS ARTIST	4	3	2	8	S46	I		6842	55T16	61084400	735
972.281-018	PROCESS-ARTIST APPRENTICE	4	3	2	8	S46	I		6842	55T16	61084400	735
973.381-010	COMPOSITOR	4	2	3	8	L46	I		6841	55T03	50100400	736
973.381-014	COMPOSITOR APPRENTICE	4	2	3	8	L46	I		6841	55T03	50100400	736
973.381-018	JOB PRINTER	4	2	3	8	M46	I5		6841	59001	50144899	736
973.381-022	JOB-PRINTER APPRENTICE	4	2	3	8	M46	I5		6841	59001	50144899	736
973.381-026	MAKE-UP ARRANGER	4	2	3	8	L46	I		6841	55T04	50100400	736
973.381-030	PROOFSHEET CORRECTOR	4	2	3	8	L46	I		6841	55T15	40064410	736
973.681-010	GALLEY STRIPPER	3	2	2	5	S46	I		6863	59002	63000000	774
979.131-010	SUPERVISOR, PUBLICATIONS PRODUCTION	4	2	4	8	L456	I		7100	55B29	50040003	633
979.281-014	ENGRAVER, BLOCK	4	2	3	7	L46	I		6823	55I35	50100803	649
979.281-018	ENGRAVER, PICTURE	4	3	3	8	L46	I		6823	55I35	50100803	649
979.381-010	ENGRAVER 1	3	1	2	5	L46	I		6823	55I35	50100803	649
979.381-014	LINE-UP EXAMINER	3	2	2	8	L46	I		6881	55T15	40064410	689
979.381-018	PASTE-UP COPY-CAMERA OPERATOR	4	3	2	8	L46	I		6868	55T11 55T18	50100400 50101003	774
979.381-022	PASTE-UP COPY-CAMERA OPERATOR APPRENTICE	4	3	2	8	L46	I		6868	55T11 55T18	50100400 50101003	774
979.381-030	SIDEROGRAPHER	4	3	2	6	M46	I		6823	55I35	50100803	649
979.381-034	SKETCH MAKER 1	3	1	1	4	L46	I		6863	59002	63000000	774
979.382-018	GRAPHIC ARTS TECHNICIAN	4	2	2	5	L46	I	50.0801	7449	39000	10141404	737
979.682-010	BLOCKER 1	3	2	2	7	L46	I	48.0102 48.0103 48.0104 48.0105	7649	59001	50144899	737

PROGRAM: 48.0206 LITHOGRAPHY, PHOTOGRAPHY, AND PLATEMAKING. -- AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ENGAGE IN ACTIVITIES CONCERNED WITH LITHOGRAPHY, LITHOGRAPHIC PHOTOGRAPHY, STRIPPING, AND RELATED PLATEMAKING PROCESSES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION		GED			S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
CODE	TITLE	R	M	L								
659.360-010	PLATE FINISHER	4	2	2	8	M46	I		7449	59001	50144899	737
970.361-014	REPEAT CHIEF	4	3	3	7	S46	I		6863	55T18	50101003	774
970.381-030	RETOUCHER, PHOTOENGRAVING	3	3	3	7	S46	I	48.0205	6842	55T16	61084400	735
971.261-010	ETCHER, HAND	4	2	3	6	M346	I		6823	55I35 55T18	50100803 50101003	649
971.381-010	ETCHER APPRENTICE, PHOTOENGRAVING	4	2	4	8	L46	I67		6842	55T18	50101003	735
971.381-014	ETCHER, PHOTOENGRAVING	4	2	4	8	L46	I67		6842	55T18	50101003	735
971.381-018	OFFSET-PLATE MAKER	4	2	2	6	L46	I		7644	55T18	50101003	735
971.381-022	PHOTOENGRAVER	4	3	3	8	L46	I		6842	55T18	50101003	735
971.381-026	PHOTOENGRAVER APPRENTICE	4	3	3	8	L46	I		6842	55T18	50101003	735
971.381-030	PHOTOENGRAVING FINISHER	4	2	2	8	L46	I		6842	55T18	50101003	735
971.381-034	PHOTOENGRAVING PRINTER	4	2	2	8	L46	I67		6842	55T18	50101003	735
971.381-038	PHOTOENGRAVING PROOFER	4	2	2	8	L46	I		6842	55T25	50101210	735
971.381-040	PHOTOENGRAVING-PROOFER APPRENTICE	4	2	2	8	L46	I		6842	55T25	50101210	735
971.381-050	STRIPPER	4	2	3	8	S46	I		6842	55D58	50101001	735
971.381-054	STRIPPER APPRENTICE	4	2	3	8	S46	I		6842	55D58	50101001	735
971.382-014	PHOTOGRAPHER, PHOTOENGRAVING	4	3	3	8	L46	I		7444	55T18	50101003	735
971.684-014	STAGER	3	2	1	4	S46	I		7756	59002	63000000	789
971.687-010	ETCHER HELPER, HAND	2	1	1	2	H34	I		8619	56900	80002823	873
972.281-014	PROCESS STRIPPER	4	2	2	7	L46	I		6842	55D58	50101001	735
972.282-010	SCANNER OPERATOR	3	2	2	6	L46	I		7444	55D59	50101002	735
972.381-010	LITHOGRAPHIC PLATE MAKER	4	3	3	8	L346	I4		6842	55D57	50101203	735
972.381-014	LITHOGRAPHIC-PLATE-MAKER APPRENTICE	4	3	3	8	L346	I4		6842	55D57	50101203	735
972.381-018	SKETCH MAKER 2	4	2	2	7	S46	I		6862	59001	50144899	676
972.381-022	STRIPPER, PHOTOLITHOGRAPHIC	4	3	3	8	L46	I		6868	55D58	50101001	774
972.381-026	TRANSFERRER	3	1	1	6	L46	I7		6842	55D57	50101203	735
972.382-010	PHOTOGRAPHER APPRENTICE, LITHOGRAPHIC	4	2	3	7	L46	I		7444	55D59	50101002	735
972.382-014	PHOTOGRAPHER, LITHOGRAPHIC	4	2	3	7	L46	I		7444	55D59	50101002	735
972.664-010	LITHO-MAKE-READY ASSISTANT	3	2	2	6	L46	I7		8619	59002	63000000	873
972.682-010	PLATE GRAINER	3	2	3	7	L46	I4		7644	59001	50144899	735
972.682-014	PLATE-GRAINER APPRENTICE	3	2	3	7	L46	I4		7644	59001	50144899	735
974.382-010	STEREOTYPER APPRENTICE	4	2	2	8	M46	I		6849	55T19	50100602	737
974.382-014	STEREOTYPER	4	2	2	8	M46	I		6849	55T19	50100602	737
974.682-010	BLOCKER, METAL BASE	4	2	2	7	L346	I367	48.0208	7542	59001	50144899	719
979.581-010	ENGRAVER, RUBBER	3	1	1	6	S46	I		7757	55I35	50100803	793
979.681-018	ROLLER ENGRAVER, HAND	3	2	2	7	S46	I		7757	55I35	50100803	793
979.682-022	ROLLER VARNISHER	3	1	1	6	M46	I4		7644	59002	63000000	735
979.684-014	ENGRAVER 2	3	1	1	6	S46	I		7753	55I35	50100803	786
979.687-018	PLATE GAGER	2	1	2	3	L46	I		7820	59002	63000000	796

990

991

PROGRAM: 48.0207 PHOTOGRAPHIC LABORATORY AND DARKROOM. AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO DEVELOP AND PRINT PHOTOGRAPHIY STILL - OR MOTION-PICTURE FILM; CONTROL RESULTANT PRINTS; TOUCH UP NEGATIVES; AND FINISH, COLOR, RESTORE, AND COPY PRINTS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION		GED			S	PHYSICAL	WORKING	OTHER	1980	O E S	MATRIX	1980
CODE	TITLE	R	M	L	V P	DEMANDS	CONDITIONS	C I P PROGRAM	SOC CODE	SURVEY CODE	CODE	CENSUS CODE
714.687-010	CHECKER, FILM TESTS	3	1	2	4	L46	I		7840	55N52	80002899	798
970.281-018	PHOTOGRAPH RETOUCHER	4	2	3	6	S46	I		6868	55C09	61084400	774
970.381-010	COLORIST, PHOTOGRAPHY	3	1	2	6	S46	I		6868	55C09	61084400	774
970.381-034	SPOTTER, PHOTOGRAPHIC	3	2	1	5	S46	I		6868	52004	61084400	774
970.381-034	SPOTTER, PHOTOGRAPHIC	3	2	1	5	S46	I		6868	55C09	61084400	774
976.267-010	QUALITY-CONTROL TECHNICIAN	4	2	3	6	L456	I		7820	52900	61084400	796
976.360-010	PRINT CONTROLLER	4	3	2	6	L3456	I5		7479	52900	61084400	777
976.361-010	REPRODUCTION TECHNICIAN	4	2	2	6	L46	I467		6868	52009	61084400	774
976.362-010	FILM INSPECTOR	4	2	2	5	L46	I		7820	55B58	50142202	796
976.381-010	FILM LABORATORY TECHNICIAN 1	4	4	4	7	L46	I	10.0103	6868	39000	10141404	774
976.381-014	MICROFICHE DUPLICATOR	4	2	2	6	L46	I467		6849	52900	61084400	737
976.381-018	PROJECTION PRINTER	3	2	2	7	L46	I		6868	52002	61084400	774
976.382-010	CAMERA OPERATOR, TITLE	4	3	3	7	L4	I	10.0103	7671	52900	61084400	774
976.382-014	COLOR-PRINTER OPERATOR	3	2	2	3	L46	I		7671	52005	61084400	774
976.382-018	FILM DEVELOPER	3	1	1	6	L4	I46		7671	52002	61084400	774
976.382-022	PHOTOSTAT OPERATOR	3	2	2	5	L46	I4		6868	52900	61084400	774
976.487-010	PHOTOGRAPH FINISHER	2	1	1	2	L4	I		7753	52900	61084400	786
976.564-010	DETAILER, SCHOOL PHOTOGRAPHS	3	2	2	4	L456	I		4752	52900	61084400	363
976.665-010	TAKE-DOWN SORTER	3	1	1	3	L456	I		7671	52900	61084400	774
976.667-010	PHOTOGRAPHER HELPER	3	2	2	4	M46	I47		7671	52008	61084400	774
976.681-010	DEVELOPER	3	2	2	4	L46	I4		6863	52002	61084400	774
976.682-010	FILM PRINTER	3	1	1	5	L46	I		7671	52011	61084400	774
976.682-014	PRINTER OPERATOR, BLACK-AND-WHITE	3	1	1	5	S46	I		7671	52005	61084400	774
976.682-018	RECTIFICATION PRINTER	3	2	1	4	L46	I		7671	52900	61084400	774
976.684-010	DENSITY CONTROL PUNCHER	3	1	1	4	L46	I		7757	52900	61084400	793
976.684-014	FILM LABORATORY TECHNICIAN	3	2	2	3	L46	I		7671	55T45	61084400	774
976.684-018	MOUNTER, HAND	2	1	1	2	L46	I		7753	59003	80002899	786
976.684-022	PRINT WASHER	2	1	1	3	L4	I4		7759	52900	61084400	795
976.685-010	CUTTER	2	1	1	2	L46	I		7678	52004	61084400	769
976.685-014	DEVELOPER, AUTOMATIC	2	1	1	2	L45	I5		7671	52900	61084400	774
976.685-022	MOUNTER, AUTOMATIC	2	1	1	2	L46	I		7671	59003	80002899	774
976.685-026	PRINT DEVELOPER, AUTOMATIC	2	1	1	4	L46	I56		7671	52006	61084400	774
976.685-030	UTILITY WORKER, FILM PROCESSING	3	1	2	3	L46	I		7671	52900	61084400	774
976.687-010	EDITOR, SCHOOL PHOTOGRAPH	3	1	2	5	L46	I		7850	59002	63000000	799
976.687-014	PHOTO CHECKER AND ASSEMBLER	3	1	1	4	L46	I		7820	52007	61084400	796
976.687-018	PHOTOFINISHING LABORATORY WORKER	2	2	2	3	L46	I		4753	62900	40066899	364
976.687-022	PRINT INSPECTOR	3	1	2	5	L46	I		7820	55B58	50142202	796
979.687-014	PHOTOSTAT-OPERATOR HELPER	2	1	1	2	L4	I		8619	59003	80002899	873

PROGRAM: 48.0208 PRINTING PRESS OPERATIONS. AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO MAKE READY, OPERATE, AND MAINTAIN PRINTING PRESSES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
000.000-000									7444	55T24	50101208	735
221.367-014	ESTIMATOR, PRINTING	4	3	3	6	L45	I	48.0202 48.0205 48.0209	4752	25540	10243813	363
651.362-010	CYLINDER-PRESS OPERATOR	4	3	3	7	M46	I5		7443	55T23	50101207	734
651.362-014	CYLINDER-PRESS-OPERATOR APPRENTICE	4	3	3	7	H46	I5		7443	55T23	50101207	734
651.362-018	PLATEN-PRESS OPERATOR	4	2	2	7	L46	I5		7443	55T23	50101207	734
651.362-022	PLATEN-PRESS-OPERATOR APPRENTICE	4	2	2	7	L46	I5		7443	55T23	50101207	734
651.362-026	ROTOGRAVURE-PRESS OPERATOR	3	2	2	7	M46	I5		7443	55T21	50101206	734
651.362-030	WEB-PRESS OPERATOR	4	3	3	7	M46	I5		7443	55T23	50101207	734
651.362-034	WEB-PRESS-OPERATOR APPRENTICE	4	3	3	7	M46	I5		7443	55T23	50101207	734
651.380-010	PRINTER 2	4	3	3	8	M46	I56		7443	55D56	50101202	734
651.382-010	ENGRAVING-PRESS OPERATOR	4	2	3	7	L46	I6		7443	55T26	50101209	734
651.382-014	LITHOGRAPH-PRESS OPERATOR, TINWARE	3	2	2	7	L246	I57		7444	55C36	50101201	735
651.382-026	PRINTER, PLASTIC	3	1	2	5	M46	I		7444	55C36	50101201	735
651.382-030	STEEL-DIE PRINTER	3	2	2	7	L46	I6		7443	55T26	50101209	734
651.382-034	TAB-CARD-PRESS OPERATOR	3	2	3	5	L46	I5		7443	55T23	50101207	734
651.382-038	TRANSFER OPERATOR	3	2	2	4	L46	I		7443	55C36	50101201	734
651.384-010	PLATEN BUILDER-UP	2	1	2	4	L46	I5		7443	59002	63000000	734
651.482-010	OFFSET-PRESS OPERATOR 1	4	2	3	7	L46	I5		7443	55D56	50101202	734
651.482-014	OFFSET-PRESS-OPERATOR APPRENTICE	4	2	3	7	L46	I5		7443	55D56	50101202	734
651.582-010	PROOF-PRESS OPERATOR	3	2	2	5	M46	I		7643	55T25	50101210	734
651.582-014	LITHOGRAPHIC-PROOFER APPRENTICE	3	2	2	5	M46	I	48.0205 48.0209	7643	55T25	50101210	734
651.585-010	ASSISTANT-PRESS OPERATOR	3	2	2	6	M3456	I5		7643	55T27	61089095	734
651.586-010	PRESS HELPER	2	1	1	2	H34	I		8616	56900	80002823	873
651.682-010	FLEXOGRAPHIC-PRESS OPERATOR	3	2	3	4	M46	I5		7443	55T20	50101205	734
651.682-014	OFFSET-DUPLICATING-MACHINE OPERATOR	3	2	2	4	L46	I	48.0209	7643	55D56	50101202	734
651.682-018	STRIPER	3	1	1	5	L34	I		7643	55C36	50101201	734
651.682-022	TIP PRINTER	3	2	2	3	L46	I5		7444	55C36	50101201	735
651.685-010	BAG PRINTER	2	2	2	4	M46	I		7643	55C36	50101201	734
651.685-014	DESIGN PRINTER, BALLOON	2	1	1	2	L4	I		7643	55C36	50101201	734
651.685-018	OFFSET-PRESS OPERATOR 2	2	1	1	3	L46	I		7643	55D56	50101202	734
651.685-022	PLATEN-PRESS FEEDER	2	1	1	3	L4	I56		7643	55T27	61089095	734
651.686-010	CYLINDER-PRESS FEEDER	2	1	1	3	H46	I5		8725	55T27	61089095	878
652.130-014	SUPERVISOR, PRINTING AND STAMPING	4	2	3	8	M45	I	06.2001	7100	55B29	50040003	633
652.137-010	PRODUCTION MANAGER, REPRODUCTION	4	2	3	7	L4	I		7100	55B29	50040003	633
652.380-010	DECORATING-EQUIPMENT SETTER	3	2	2	5	M4	I		7449	55T70	61088401	737
652.382-010	CLOTH PRINTER	4	1	3	7	M346	I5		7444	55G35	61041011	735
652.385-010	PRINTING-ROLLER HANDLER	2	1	1	2	H34	I5		6140	59003	80002899	519
652.462-010	RUBBER-PRINTING-MACHINE OPERATOR	3	2	1	4	M46	I		7643	55C36	50101201	734
652.562-010	PRINT-LINE OPERATOR	3	2	2	6	M456	I5		7643	55C36	50101201	734
652.567-010	CLOTH-PRINTING INSPECTOR	3	1	1	4	L46	I	20.0307	7820	55B58	50142202	796
652.582-010	MARKER	3	1	1	4	M4	I		7643	55T79	63000000	734
652.582-014	ROTARY-SCREEN-PRINTING-MACHINE OPERATOR	3	1	1	4	M46	I5	48.0209	7643	55T70	61088401	734
652.586-010	UTILITY WORKER, CLOTH PRINTING	2	1	1	2	H34	I357		8725	59003	80002899	878
652.662-010	PRINTING-MACHINE OPERATOR, TAPE RULES	3	2	1	5	M45	I		7444	55C36	50101201	735

*** PROGRAM: 48.0208 PRINTING PRESS OPERATIONS. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES	FOURTH EDITION	GED			S			OTHER	1980	D E S		1980
CODE	TITLE	R	M	L	V P	PHYSICAL DEMANDS	WORKING CONDITIONS	C I P PROGRAM	SOC CODE	SURVEY CODE	MATRIX CODE	CENSUS CODE
652.662-014	WALLPAPER PRINTER 1	3	1	1	6	M4	I		7444	55C36	50101201	735
652.682-010	BOX PRINTER	3	1	2	4	L46	I		7444	55C36	50101201	735
652.682-014	EMBOSSOGRAPH OPERATOR	3	1	2	4	L4	I		7643	55T79	63000000	734
652.682-022	STAMPER, MACHINE	3	1	1	4	L46	I		7479	55T79	63000000	777
652.682-026	STRIPING-MACHINE OPERATOR	3	1	1	3	L46	I		7444	55Q36	61088262	735
652.685-010	BACK TENDER, CLOTH PRINTING	2	1	1	2	H34	I567		7643	55E33	61041001	734
652.685-014	BINDING PRINTER	2	1	1	2	M4	I		7643	55C36	50101201	734
652.685-018	CARTON MARKER, MACHINE	2	1	1	2	M46	I5		7643	59003	80002899	734
652.685-022	CUTTING-AND-PRINTING-MACHINE OPERATOR	3	2	1	3	H46	I		7644	55C36	50101201	735
652.685-026	DECORATING-MACHINE OPERATOR	3	1	1	3	L46	I5		7643	55T70	61088401	734
652.685-030	EMBOSSING-PRESS OPERATOR	2	1	1	2	L46	I6		7643	55T79	63000000	734
652.685-034	GLOVE PRINTER	2	1	1	3	L46	I		7643	59002	63000000	734
652.685-038	INK PRINTER	2	1	2	2	L4	I		7643	55C36	50101201	734
652.685-042	KEYING-MACHINE OPERATOR	2	1	1	2	L4	I		7643	59003	80002899	734
652.685-046	MARKING-MACHINE OPERATOR	2	1	2	2	L46	I		7643	55G35	61041011	734
652.685-050	MARKING-MACHINE OPERATOR	2	1	1	2	L4	I5		7643	55G35	61041011	734
652.685-054	NAME-PLATE STAMPER	2	1	1	2	L46	I		7643	55T79	63000000	734
652.685-058	PRESS FEEDER	2	1	1	3	M34	I		7643	55T27	61089095	734
652.685-062	PRINTER	2	1	1	3	L46	I5		7643	55C36	50101201	734
652.685-066	PRINTER, FLOOR COVERING	2	1	1	3	L46	I		7643	55G35	61041011	734
652.685-070	PRINTER, MACHINE	2	1	1	3	L46	I		7643	59002	63000000	734
652.685-074	PRINTING-MACHINE OPERATOR, FOLDING RULES	2	1	1	2	L46	I		7643	55T70	61088401	734
652.685-078	ROLLER OPERATOR	2	1	1	2	L4	I		7643	55T70	61088401	734
652.685-082	STAMPER	2	1	1	2	M34	I		7643	55T70	61088401	734
652.685-086	STENCIL-MACHINE OPERATOR	2	1	1	3	M4	I5		7644	55T70	61088401	735
652.685-090	STRIKE-OFF-MACHINE OPERATOR	2	1	1	3	L46	I		7643	55G35	61041011	734
652.685-098	TICKETER	2	1	2	2	L46	I		7643	55594	61088443	734
652.685-102	WAD-PRINTING-MACHINE OPERATOR	2	1	1	2	L4	I		7643	55C36	50101201	734
652.686-010	CLOTH-PRINTER HELPER	2	1	1	2	M34	I		8725	56900	80002823	878
652.686-014	GRAINER, MACHINE	2	1	1	2	M46	I		8725	59003	80002899	878
652.686-018	GREY-CLOTH TENDER, PRINTING	2	1	1	2	H346	I357		8725	59003	80002899	878
652.686-030	PRINT-LINE TAILER	1	1	1	1	M34	I		8725	59003	80002899	878
652.686-034	RAISED PRINTER	1	1	1	2	L4	I		8725	59003	80002899	878
652.687-030	PATTERN HAND	2	1	1	3	L4	I		7759	59002	63000000	795
652.687-034	PRINT-LINE INSPECTOR	2	1	1	2	L46	I		7820	55B58	50142202	796
652.687-038	PRINTER, FLOOR COVERING, ASSISTANT	2	1	1	2	L46	I		8725	56900	80002823	878
652.687-042	WALLPAPER INSPECTOR	2	1	1	4	L46	I		7820	55B58	50142202	796
652.687-046	WALLPAPER INSPECTOR AND SHIPPER	2	1	2	3	L46	I		7820	55B58	50142202	796
652.687-050	WALLPAPER-PRINTER HELPER	2	1	1	2	M34	I		8619	59003	80002899	873
659.130-010	SUPERVISOR, PRINTING-SHOP	4	3	3	8	L456	I5		7100	55B29	50040003	633
659.381-010	PLATE SETTER, FLEXOGRAPHIC PRESS	3	3	3	6	M346	I57		7443	59001	50144899	734
659.481-010	DIE MOUNTER	3	2	2	5	M46	I		6849	55H67	61089015	737
659.667-010	INKER	3	2	2	4	L6	I5		7820	55T22	61088616	796
659.682-010	CUT-AND-PRINT-MACHINE OPERATOR	3	2	2	4	H346	I		7449	59002	63000000	737
659.682-022	RULING-MACHINE OPERATOR	3	2	2	5	M46	I5		7449	59002	63000000	737
659.685-010	PAPER CONDITIONER	2	1	1	3	L4	I6		7649	59002	63000000	737
659.685-018	SHOTGUN-SHELL-REPRINTING-UNIT OPERATOR	2	1	2	2	M2345	I		7649	59003	80002899	737
659.685-022	TRANSFER-MACHINE OPERATOR	2	1	2	2	L4	I		7649	59003	80002899	737
659.686-010	JOGGER	2	1	1	2	H346	I5		8725	59003	80002899	878

*** PROGRAM: 48.0208 PRINTING PRESS OPERATIONS. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
659.686-014	PRINTER-SLOTTER HELPER	2	1	1	2	M4	I5		8725	55M65	61089042	878
726.687-018	SILK-SCREEN PRINTER	2	2	2	2	L4	I	48.0209	7757	55T70	61088401	793
971.685-010	ROLLER-PRINT TENDER	3	2	1	3	V346	I		7644	55T18	50101003	735
974.682-010	BLOCKER, METAL BASE	4	2	2	7	L346	I367	48.0206	7542	59001	50144899	719
979.382-010	CLAMPER	3	2	2	6	M46	I		7644	55C36	50101201	735
979.681-014	PRINTER	3	1	2	5	L46	I		6841	59001	50144899	736
979.682-018	LEAF STAMPER	2	1	1	3	L46	I		7679	55T79	63000000	777
979.684-026	PRINT-SHOP HELPER	2	1	1	3	M4	I5		8616	59002	63000000	873
979.687-010	EXAMINER	2	1	2	4	L46	I		7820	55B58	50142202	796

PROGRAM: 48.0209 SILK SCREEN MAKING AND PRINTING. AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO MAKE SILK SCREENS AND TO PERFORM SILK SCREEN PRINTING OPERATIONS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
221.367-014	ESTIMATOR, PRINTING	4	3	3	6	L45	I	48.0202 48.0205 48.0208	4752	25540	10243813	363
651.582-014	LITHOGRAPHIC-PROOFER APPRENTICE	3	2	2	5	M46	I	48.0205 48.0208	7643	55T25	50101210	734
651.682-014	OFFSET-DUPLICATING-MACHINE OPERATOR	3	2	2	4	L46	I	48.0208	7643	55D56	50101202	734
652.260-010	SECTION LEADER, SCREEN PRINTING	4	2	3	7	M346	I5		7449	55T70	61088401	737
652.582-014	ROTARY-SCREEN-PRINTING-MACHINE OPERATOR	3	1	1	4	M46	I5	48.0208	7643	55T70	61088401	734
652.665-010	SILK-SCREEN PRINTER, MACHINE	3	1	1	3	L4	I		7643	55T70	61088401	734
652.665-014	STRICKLER ATTENDANT	3	1	1	4	L346	I567		7644	55T70	61088401	735
652.682-018	SCREEN-PRINTING-MACHINE OPERATOR	3	1	1	4	L46	I5		7643	55T70	61088401	734
652.686-022	LOADER-UNLOADER, SCREEN-PRINTING MACHINE	2	1	1	2	L4	I5		8725	59003	80002899	878
652.686-038	SCREEN-PRINTING-MACHINE-OPERATOR HELPER	2	1	1	2	M34	I		8616	59003	80002899	873
652.686-042	TOWEL INSPECTOR	2	1	2	3	L46	I5		7820	55B58	50142202	796
659.687-010	RACKER	1	1	1	2	L34	I7		8725	59003	80002899	878
659.687-014	RACKER, SILK-SCREEN PRINTING	1	1	1	2	L46	I		7820	55B58	50142202	796
704.684-014	SILK-SCREEN ETCHER	2	1	1	3	L46	I7		7757	55I35	50100803	793
709.484-010	SILK-SCREEN-FRAME ASSEMBLER	3	2	2	3	L4	I		7720	55E22	61080440	785
710.684-018	DIAL MAKER	3	2	2	4	L46	I		7757	55V04	61084202	793
726.687-018	SILK-SCREEN PRINTER	2	2	2	2	L4	I	48.0208	7757	55T70	61088401	793
739.684-150	SCREEN MAKER	2	1	1	3	L4	I		7720	55T71	61089014	785
971.131-014	SUPERVISOR, SCREEN MAKING	4	3	3	8	M456	I6		6700	55B29	50040003	633
971.381-042	SCREEN MAKER, PHOTOGRAPHIC PROCESS	4	3	2	7	L46	I47		6868	55T72	61088402	774
971.381-046	SCREEN MAKER, TEXTILE	4	2	2	7	M46	I7		6869	55T72	61088402	684
979.360-010	SCREEN-PRINTING-EQUIPMENT SETTER	4	2	3	7	L456	I		7449	55T70	61088401	737
979.684-030	SCREEN PRINTER	3	2	2	3	L46	I		7757	55T70	61088401	793
979.684-034	SCREEN PRINTER	2	1	1	3	L46	I		7757	55T70	61088401	793
979.684-038	SILK-SCREEN REPAIRER	3	2	1	3	L46	I		6179	51900	50083299	547
979.687-022	SCREEN PRINTER HELPER	2	1	1	2	M346	I		8620	59003	80002899	873

PROGRAM: 48.0299 GRAPHIC AND PRINTING COMMUNICATIONS, OTHER. ANY INSTRUCTIONAL PROGRAM IN GRAPHIC AND PRINTING COMMUNICATIONS NOT DESCRIBED ABOVE.

PROGRAM: 48.0300 LEATHERWORKING AND UPHOLSTERING. A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARES INDIVIDUALS TO FABRICATE AND REPAIR ALL TYPES OF UPHOLSTERY AND LEATHER GOODS.

PROGRAM: 48.0301 LEATHERWORKING AND UPHOLSTERING, GENERAL. AN INSTRUCTIONAL PROGRAM THAT GENERALLY PREPARES INDIVIDUALS TO FABRICATE AND REPAIR ALL TYPES OF UPHOLSTERY AND LEATHER GOODS.

PROGRAM: 48.0302 SADDLEMAKING AND REPAIR. AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO CONSTRUCT AND REPAIR SADDLES. INCLUDES INSTRUCTION IN CUTTING, ASSEMBLING, AND JOINING LEATHER PARTS AND OTHER MATERIALS ACCORDING TO SPECIFICATIONS OF SADDLE SIZE, TYPE, COLOR, OR GRAIN OF LEATHER, USING HAND AND POWER STITCHING MACHINES; POSITIONING COVERING AND CUSHIONING MATERIALS SUCH AS COTTON BATTING, FOAM RUBBER, OR MOHAIR; ATTACHING ACCESSORIES AND ORNAMENTATION; APPLYING PAINT AND LIQUID DRESSING FOR FLOSSY FINISH; AND CUTTING AND STAMPING LEATHER SURFACES WITH LETTERING OR DECORATION.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
780.381-030	PAD HAND	3 2 3	5	L46	I		6854	55N48	50144810	669
781.381-018	LEATHER STAMPER	3 1 1	5	L46	I		6854	55K69	50144807	669
783.381-018	HARNESS MAKER	3 3 3	7	M46	I		6854	55J79	50144806	669
783.381-026	SADDLE MAKER	3 3 3	8	H46	I		6854	55N48	50144810	669

PROGRAM: 48.0303 UPHOLSTERING.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ENGAGE IN ALL ASPECTS OF UPHOLSTERING FURNITURE, AUTOMOBILE SEATS, CASKETS, AND MATTRESSES AND BEDSPRINGS. INCLUDES INSTRUCTION IN INSTALLING, REPAIRING, ARRANGING, AND SECURING SPRINGS, FILLER, PADDING, AND COVERING MATERIAL OF MATTRESSES AND BEDSPRINGS; CUTTING, SEWING, AND TRIMMING; CUSHION FILLING, TUFTING, AND BUTTONING; AND WOOD REFINISHING.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION		GED			S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
CODE	TITLE	R	M	L								
299.364-010	DRAPERY AND UPHOLSTERY MEASURER	3	3	2	6	L456	I	08.0804 20.0502 20.0503 20.0506	4490	55D71	61089221	285
299.387-010	DRAPERY AND UPHOLSTERY ESTIMATOR	3	3	2	5	S4	I	08.0804 20.0502 20.0503 20.0506	4490	55D71	61089221	285
780.381-010	AUTOMOBILE UPHOLSTERER	3	2	3	6	M346	I		6853	55S36	50144605	668
780.381-014	AUTOMOBILE-UPHOLSTERER APPRENTICE	3	2	3	6	M346	I		6853	55S36	50144605	668
780.381-018	FURNITURE UPHOLSTERER	4	3	3	7	M346	I	20.0503	6853	55D87	50144601	668
780.381-022	FURNITURE-UPHOLSTERER APPRENTICE	4	3	3	7	M346	I		6853	55D87	50144601	668
780.381-026	HEARSE UPHOLSTERER	3	2	3	5	M34	I		6853	55S36	50144605	668
780.381-034	SLIPCOVER CUTTER	3	2	3	6	L346	I	20.0503	6853	55S37	50144606	668
780.384-010	AUTOMOBILE-SEAT-COVER-AND-CONVERTIBLE-TO	3	3	3	6	M346	I		7720	55S84	50080600	785
780.587-010	SORTER, UPHOLSTERY PARTS	2	1	2	3	L46	I	20.0503	7850	55P65	61060406	799
780.681-010	UPHOLSTERER, INSIDE	4	3	3	7	M346	I5	20.0503	6853	55S36	50144605	668
780.682-010	SEWING-MACHINE OPERATOR	3	1	1	4	L46	I5		7655	55C78	61085205	744
780.682-014	SLIP-COVER SEWER	3	1	1	4	L46	I	20.0100 20.0503	7655	55C78	61085205	744
780.682-018	UPHOLSTERY SEWER	3	2	2	4	L46	I	20.0503	7655	55C78	61085205	744
780.684-010	BACK PADDER	2	1	1	2	L4	I		7720	55T85	50144602	785
780.684-014	BAND-TOP MAKER	2	1	1	3	L34	I5		7720	55R77	61084606	785
780.684-018	BOX-SPRING MAKER 1	2	1	1	3	M46	I		7720	55P86	50144603	785
780.684-022	BOX-SPRING MAKER 2	2	1	1	3	H4	I		7720	55P93	61084603	785
780.684-026	CASKET COVERER	2	1	1	3	M4	I		7720	55S63	50144607	785
780.684-030	CASKET LINER	3	1	1	4	H46	I5		7720	55S63	50144607	785
780.684-034	CHAIR UPHOLSTERER	3	2	2	5	M346	I	20.0503	7720	55S36	50144605	785
780.684-038	COTTON DISPATCHER	2	1	1	2	M46	I	20.0503	7720	59003	80002899	785
780.684-042	CRUSHER	2	1	1	2	M346	I		7720	59003	80002899	785
780.684-046	CUSHION BUILDER	2	1	1	3	L4	I	20.0503	7720	55T85	50144602	785
780.684-050	CUSHION BUILDER	2	1	2	2	M4	I		7720	55P86	50144603	785
780.684-054	CUSHION MAKER 1	2	1	1	4	M46	I	20.0503	7720	55T85	50144602	785
780.684-058	EDGE ROLLER	2	1	1	3	L4	I	20.0503	7720	59002	63000000	785
780.684-062	FABRICATOR, FOAM RUBBER	2	1	1	2	L46	I		7720	59003	80002899	785
780.684-066	FILLER	2	1	1	2	L4	I7	20.0503	7740	55T85	50144602	785
780.684-070	MATTRESS FINISHER	3	2	2	3	M46	I		7759	55B85	50144608	795
780.684-074	MATTRESS MAKER	3	1	2	4	M46	I		7720	55B85	50144608	785
780.684-078	PADDER, CUSHION	2	1	1	3	L4	I		7720	55E22	61080440	785
780.684-082	PANEL COVERER, METAL FURNITURE	2	1	1	2	L4	I	20.0503	7720	59003	80002899	785
780.684-086	PANEL MAKER	2	1	1	3	L4	I		7720	59002	63000000	785
780.684-090	POCKETED-SPRING ASSEMBLER	2	1	1	3	L4	I		7720	55E22	61080440	785
780.684-094	SLIP-SEAT COVERER	2	1	1	3	L4	I	20.0503	7720	59002	63000000	785
780.684-098	SPRING ASSEMBLER	2	1	1	2	M4	I		7720	55P86	50144603	785

*** PROGRAM: 48.0303 UPHOLSTERING. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	D E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
780.684-102	SPRING CLIPPER	2	1	2	3	L4	I		7720	55P86	50144603	785
780.684-106	SPRINGER	3	1	2	4	H346	I		7720	55P86	50144603	785
780.684-110	TESTER, CONVERTIBLE SOFA BEDSPRING	3	1	2	4	M4	I		7759	55Q57	50142205	795
780.684-114	TRIMMING ASSEMBLER	3	2	2	3	L46	I	20.0503	7720	55E22	61080440	785
780.684-118	UPHOLSTERER, OUTSIDE	2	1	2	4	M346	I	20.0503	7720	55536	50144605	785
780.684-122	UPHOLSTERY REPAIRER	3	1	1	6	M346	I	20.0503	6179	55D87	50144601	547
780.684-126	UPHOLSTERY TRIMMER	2	1	2	3	L4	I	20.0503	7720	55R04	50144604	785
780.684-130	WEBBING TACKER	2	1	1	3	H34	I		7720	59002	63000008	785
780.685-010	MATTRESS-FILLING-MACHINE TENDER	2	1	1	2	M4	I5		7720	59003	80002899	785
780.685-014	STUFFING-MACHINE OPERATOR	2	1	2	3	M4	I		7662	59002	63000008	754
780.685-018	WIRE-BORDER ASSEMBLER	2	1	1	3	H4	I5		7720	55E22	61080440	785
780.687-010	BORDER MEASURER AND CUTTER	1	1	1	1	L4	I		7740	59003	80002899	785
780.687-014	CLIPPER AND TURNER	1	1	1	2	M4	I5		7740	55P86	50144603	785
780.687-018	HASSOCK MAKER	2	1	1	2	M4	I	20.0503	7720	55T85	50144602	785
780.687-022	INSPECTOR	2	1	2	4	L46	I5		7820	55B58	50142202	796
780.687-026	MATTRESS STRIPPER	1	1	1	4	M34	I		8769	59002	63000008	889
780.687-030	MATTRESS-SPRING ENCASER	2	1	1	2	L4	I		7720	59003	80002899	785
780.687-034	PADDING GLUER	2	1	1	2	H34	I5		7720	59003	80002899	785
780.687-038	SPRING COVERER	2	1	1	2	H46	I5		7720	59003	80002899	785
780.687-042	STAPLER, HAND	2	1	1	2	M4	I		7720	59003	80002899	785
780.687-046	STUFFER	1	1	1	1	L4	I	20.0503	7740	55T85	50144602	785
780.687-050	TUFTER, HAND	2	1	1	2	H4	I		7740	59003	80002899	785
780.687-054	UPHOLSTERER HELPER	2	1	1	3	H4	I	20.0503	8619	59002	63000000	873
780.687-058	UPHOLSTERY CLEANER	2	1	1	2	M346	I7		8769	59002	63000000	889
781.381-014	DESIGNER AND TEMPLATE MAKER, COVERINGS	4	4	4	6	L2346	I		6862	59002	63000000	676
781.384-010	CUTTER, FABRICS AND MATERIALS	3	2	2	6	M46	I		7654	55537	50144606	743
781.584-010	CUTTER APPRENTICE, HAND	3	1	2	5	L46	I	20.0303	7753	55578	63000000	786
781.684-014	CUTTER, MACHINE 1	3	2	2	5	M346	I	20.0303 20.0502	7753	55H25	61081417	786
789.687-038	COVER INSPECTOR	3	2	2	3	L46	I	20.0503	7820	55B58	50142202	796
806.684-058	HEADLINER INSTALLER	2	1	2	2	L234	I5	47.0603	7720	55E22	61080440	785
915.687-010	AUTOMOBILE-SEAT-COVER INSTALLER	2	1	1	2	M34	I		7720	55584	50080600	785

PROGRAM: 48.0399 LEATHERWORKING AND UPHOLSTERING, OTHER. ANY INSTRUCTIONAL PROGRAM IN LEATHERWORKING AND UPHOLSTERING NOT DESCRIBED ABOVE.

PROGRAM: 48.0400 PRECISION FOOD PRODUCTION. A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS TO PERFORM SLAUGHTERING AND BUTCHERING OPERATIONS IN A SLAUGHTERING AND MEAT PACKING ESTABLISHMENT, OR TO CUT, TRIM, AND PREPARE CARCASSES FOR WHOLESALE OR RETAIL SALE.

PROGRAM: 48.0401 PRECISION FOOD PRODUCTION, GENERAL.

AN INSTRUCTIONAL PROGRAM THAT GENERALLY PREPARES INDIVIDUALS TO PERFORM SLAUGHTERING AND BUTCHERING OPERATIONS IN A SLAUGHTERING AND MEAT PACKING ESTABLISHMENT, OR TO CUT, TRIM, AND PREPARE CARCASSES FOR WHOLESALE OR RETAIL SALE.

PROGRAM: 48.0402 MEATCUTTING.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO CUT, TRIM, AND PREPARE CARCASSES AND CONSUMER-SIZED PORTIONS OF MEAT FOR SALE IN WHOLESALE, RETAIL, OR FOOD-SERVICE ESTABLISHMENTS. INCLUDES INSTRUCTION IN THE USE OF MEAT-CUTTING TOOLS; IDENTIFICATION OF AND CUTTING TECHNIQUES FOR DIFFERENT CUTS OF MEAT; DRESSING POULTRY; PROCESSING FISH; COUNTER DISPLAY; AND REFRIGERATION OF MEATS; POULTRY, AND FISH.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
316.661-010	CARVER	3	2	2	4	L46	I36	20.0406	5217	43004	70041400	439
316.681-010	BUTCHER, MEAT	3	2	2	6	H46	I26		6871	43004	70041400	686
316.684-010	BUTCHER, CHICKEN AND FISH	2	2	1	3	L46	I26		5217	43004	70041400	439
316.684-014	DELI CUTTER-SLICER	2	2	1	2	L46	I6	20.0406	5217	43004	70041400	439
316.684-018	MEAT CUTTER	3	2	3	6	M46	I26		5217	43004	70041400	439
316.684-022	MEAT-CUTTER APPRENTICE	3	2	3	6	M46	I26		5217	43004	70041400	439

PROGRAM: 48.0403 SLAUGHTERING AND BUTCHERING. AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO PERFORM SLAUGHTERING AND BUTCHERING OPERATIONS IN A SLAUGHTERING AND MEAT PACKING ESTABLISHMENT. INCLUDES INSTRUCTION IN STUNNING AND SLAUGHTERING; SKINNING, TRIMMING, AND WASHING; CUTTING STANDARD CUTS OF MEAT SUCH AS CHUCKS, HAMS, LOINS, PLATES, ROUNDS, AND SHANKS IN PREPARATION FOR MARKETING; CLEANING AND SALTING HIDES OF CATTLE, SHEEP, AND HOGS; PREPARING, SMOKING, AND WRAPPING MEATS; AND MAKING SAUSAGE.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	D E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
520.685-066	CHOPPING-MACHINE OPERATOR	2	1	1	4	M4	I5		7664	55L16	61086033	756
520.685-174	MOLDER, MEAT	2	1	1	2	M4	I5		7662	59003	80002899	754
520.685-182	PRESS OPERATOR, MEAT	1	1	1	2	M4	I		7667	55M62	61086003	758
520.685-202	SAUSAGE MAKER	2	1	2	2	M4	I		7664	55B93	61083856	756
520.685-206	SAUSAGE MIXER	2	1	2	3	H34	I2		7664	55B93	61083856	756
520.685-210	STUFFER	2	1	1	2	M4	I4		7662	55F70	61086012	754
520.687-054	SEASONING MIXER	2	1	2	2	M4	I		7759	55B93	61083856	795
521.685-098	CUTTER, FROZEN MEAT	2	1	1	2	H34	I56		7678	55S22	61081462	769
521.685-170	HASHER OPERATOR	2	1	1	2	H34	I45		7678	59003	80002899	769
521.685-214	MEAT GRINDER	1	1	1	2	H34	I5		7677	55L16	61086033	768
521.685-306	SLICING-MACHINE OPERATOR	2	1	1	2	M4	I		7678	55S22	61081462	769
521.687-106	SAUSAGE-MEAT TRIMMER	2	2	1	2	H4	I2		8769	59003	80002899	889
521.687-130	SKULL GRINDER	1	1	1	2	L4	I		8769	59003	80002899	889
522.485-010	PICKLING SOLUTION MAKER	2	2	2	3	H46	I4		7664	55B93	61083856	756
522.685-030	CASING-MACHINE OPERATOR	2	2	2	3	L4	I5		7679	55F71	61086410	777
522.685-086	PICKLE PUMPER	2	2	2	3	M4	I4		7679	55M77	61086004	777
522.687-034	PICKLER	2	1	1	2	M34	I4		7679	55T58	61086001	777
523.585-014	CHILLER TENDER	2	2	2	3	L24	I45		7665	59002	63000000	777
523.685-018	CHILLING-HOOD OPERATOR	1	1	1	2	M46	I		7665	55G78	61089009	777
523.685-030	COOK-BOX FILLER	2	1	1	2	M4	I		7679	55A79	61086035	777
525.381-010	BUTCHER APPRENTICE	3	2	2	6	H34	I4		6871	55F34	61083204	686
525.381-014	BUTCHER, ALL-ROUND	3	2	2	6	H34	I4		6871	55F34	61083204	686
525.387-010	GRADER, MEAT	3	2	1	5	L6	I4	01.0402	7850	55T61	61060401	799
525.587-010	SHROUDER	1	1	1	2	M4	I4		8769	59003	80002899	889
525.587-014	SMOKED MEAT PREPARER	1	1	1	2	H4	I		8769	59003	80002899	889
525.664-010	MEAT DRESSER	3	2	2	6	M346	B467		7753	55F34	61083204	786
525.682-010	SMOKER	3	2	1	4	H4	I		7679	55P55	61089060	777
525.684-010	BONER, MEAT	2	1	2	4	M46	I246		7753	55E95	61083201	786
525.684-018	CARCASS SPLITTER	2	2	1	3	M346	I467		7753	55F58	61083205	786
525.684-022	CRAB BUTCHER	1	1	1	2	M46	I467		7753	55S35	61083207	786
525.684-026	FINAL-DRESSING CUTTER	3	1	1	4	M46	I46		7753	59002	63000000	786
525.684-034	HEAD TRIMMER	2	1	1	3	M46	I46		7753	59002	63000000	786
525.684-038	OFFAL SEPARATOR	2	1	1	2	L46	I47		7753	59003	80002899	786
525.684-042	POULTRY KILLER	1	1	1	2	L4	I4		8769	59003	80002899	889
525.684-046	SKINNER	2	2	1	2	M346	I46		7753	55P38	61089058	786
525.684-050	STICKER, ANIMAL	2	2	1	3	M346	I467		7753	55Q04	61089065	786
525.684-054	TRIMMER, MEAT	1	1	1	2	M46	I246		7753	59003	80002899	786
525.684-058	TURKEY-ROLL MAKER	2	1	1	2	L46	I		7753	55M46	61089040	786
525.685-010	BAND-SAW OPERATOR	2	1	1	2	M46	I456		7678	55S22	61081462	769
525.685-014	CASING-RUNNING-MACHINE TENDER	1	1	1	2	L4	I4		7662	55F70	61086012	754
525.685-018	DEHAIRING-MACHINE TENDER	2	2	1	3	M24	I34567		7679	55H48	61089013	777
525.685-022	HIDE PULLER	2	1	1	2	M4	I46		7666	59003	80002899	757
525.685-026	POULTRY-PICKING MACHINE TENDER	2	1	1	2	L4	I47		7679	59003	80002899	777
525.685-030	SKIN-PEELING-MACHINE OPERATOR	2	1	1	2	L4	I		7666	55P37	61086007	757

*** PROGRAM: 48.0403 SLAUGHTERING AND BUTCHERING. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION		GED			S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
CODE	TITLE	R	M	L								
525.686-010	CASING CLEANER	2	1	1	2	L4	I4		8725	59003	80002899	878
525.686-014	CONVEYOR LOADER 2	2	1	1	2	L4	I		8725	59003	80002899	878
525.686-018	HEAD-MACHINE FEEDER	2	1	1	2	L4	I45		8725	55F58	61083205	878
525.686-022	SKINNING-MACHINE FEEDER	2	1	1	2	M4	I4		8725	55P38	61089058	878
525.687-010	ANIMAL EVISCERATOR	2	2	1	3	M34	I46		7759	59002	63000000	795
525.687-018	CONVEYOR LOADER 1	1	1	1	2	H46	I4		8769	59003	80002899	889
525.687-022	COOLER ROOM WORKER	2	2	1	2	H4	I24		7820	55078	61089009	796
525.687-026	DRY CURER	2	1	1	2	H34	I4		7759	55I04	61086011	795
525.687-030	GAMBRELER	1	1	1	2	M4	I4		8769	59001	50144899	889
525.687-034	GAMBRELER HELPER	1	1	1	2	M4	I4		8769	59003	80002899	889
525.687-038	HIDE HANDLER	2	1	1	2	H34	I47		8769	59003	80002899	889
525.687-042	HIDE INSPECTOR	2	1	2	3	M346	I47		7820	55B58	50142202	796
525.687-046	HIDE TRIMMER	2	1	1	3	M34	I4		8769	59002	63000000	889
525.687-050	NECK SKEWER	1	1	1	2	L4	I24		8769	59003	80002899	889
525.687-058	ORDER RUNNER	1	1	1	2	M4	I2		8769	59003	80002899	889
525.687-066	POULTRY BONER	1	1	1	2	L4	I		8769	55E96	61083202	889
525.687-074	POULTRY EVISCERATOR	1	1	1	2	L4	I46		8769	55G18 55M46	61089008 61089040	889
525.687-082	POULTRY-DRESSING WORKER	1	1	1	2	H34	I24		8761	55M46	61089040	888
525.687-086	SHACKLER	1	1	1	2	M34	I456		8726	59003	80002899	883
525.687-094	SHAVER	2	1	1	2	L46	I47		8769	59003	80002899	889
525.687-098	SINGER	2	1	1	2	L4	O		8769	59003	80002899	889
525.687-102	SKIN GRADER	2	1	2	2	M4	I		7850	55T61	61060401	799
525.687-106	SLUNK-SKIN CURER	2	1	1	2	M4	I		8769	59003	80002899	889
525.687-114	STUNNER, ANIMAL	1	1	1	2	M34	I4567		8769	55Q37	61089069	889
525.687-118	TIER	1	1	1	2	L4	I		8761	59003	80002899	888
526.685-010	COOK	3	1	1	3	H4	I345		7679	55A79	61086035	777
526.685-062	TRIPE COOKER	2	1	1	2	M34	I4		7679	55A79	61086035	777
529.587-014	SAUSAGE INSPECTOR	1	1	1	2	L4	I		7820	55B58	50142202	796
529.685-138	HAM-ROLLING-MACHINE OPERATOR	1	1	1	2	L4	I4		7662	59003	80002899	754
529.685-162	LINKING-MACHINE OPERATOR	2	1	1	2	L4	I		7662	55F70	61086012	754
529.685-202	RENDERING-EQUIPMENT TENDER	3	2	2	3	M234	I3457		7679	55A79	61086035	777
529.685-250	VOTATOR-MACHINE OPERATOR	2	1	1	3	L4	I5		7665	59002	63000000	777
529.686-022	CUTLET MAKER, PORK	1	1	1	2	M46	I5		8725	59003	80002899	878
529.686-082	STEAK TENDERIZER, MACHINE	1	1	1	2	L4	I		8725	59003	80002899	878
529.687-026	CASING GRADER	2	1	1	2	L46	I4		7850	55T61	61060401	799
529.687-030	CASING SEWER	2	1	1	2	L46	I		7752	59003	80002899	674
529.687-102	GRADER, DRESSED POULTRY	2	1	2	3	L46	I		7850	55T61	61060401	799
529.687-106	GRADER, GREEN MEAT	2	1	2	3	L46	I4		7850	55T61	61060401	799
529.687-150	LINKER	2	1	1	3	M4	I		8761	59002	63000000	888

PROGRAM: 48.0499 PRECISION FOOD PRODUCTION, OTHER. ANY INSTRUCTIONAL PROGRAM IN PRECISION FOOD PRODUCTION NOT DESCRIBED ABOVE.

PROGRAM: 48.0500 PRECISION METAL WORK.

A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS TO PLAN, MANUFACTURE, ASSEMBLE, TEST, AND REPAIR PARTS, MECHANISMS, MACHINES, AND STRUCTURES IN WHICH MATERIALS ARE CAST, FORMED, SHADED, MOLDED, HEAT TREATED, CUT, TWISTED, PRESSED, FUSED, STAMPED, OR OTHERWISE WORKED UPON.

PROGRAM: 48.0501 PRECISION METAL WORK, GENERAL.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO PLAN, MANUFACTURE, ASSEMBLE, TEST, AND REPAIR PARTS, MECHANISMS, MACHINES, AND STRUCTURES IN WHICH MATERIALS ARE CAST, FORMED, SHAPED, MOLDED, HEAT TREATED, CUT, TWISTED, PRESSED, FUSED, STAMPED, OR OTHERWISE WORKED UPON.

PROGRAM: 48.0502 FOUNDRY WORK.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ENGAGE IN ACTIVITIES AT FERROUS AND NONFERROUS FOUNDRIES. INCLUDES INSTRUCTION IN FOUNDRY EQUIPMENT, VARIOUS SANDS AND REFRACTORIES, SAND AND MACHINE MOLDING, CORE-MAKING, CHIPPING, GRINDING, FOUNDRY CHEMISTRY, AND METALLURGY.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
502.362-010	SHOT DROPPER	3	3	3	6	M246	I3567		7542	59001	50144899	719
502.381-014	MOLDER, PUNCH	4	3	3	7	M34	I56		6861	55F76	61020404	675
502.382-010	BULLET-SLUG-CASTING-MACHINE OPERATOR	3	2	2	5	H346	I356		7542	59002	63000000	719
502.382-014	FLUOROSCOPE OPERATOR	3	3	3	5	L46	I6	48.0504	7820	55B58	50142202	796
502.482-010	CASTER	2	2	2	3	M46	I36		7542	55F76	61020404	719
502.482-014	CASTING-MACHINE OPERATOR, AUTOMATIC	3	2	2	4	M46	I357		7542	55F76	61020404	719
502.482-018	ROTOR CASTING-MACHINE OPERATOR	3	2	2	5	H46	I6		7342	55F76	61020404	719
502.664-010	BLAST-FURNACE KEEPER	3	2	2	6	H46	I36		7759	55Q99	61020407	795
502.664-014	STEEL POURER	3	2	2	6	M46	I367		7759	55C27	61020435	795
502.664-018	STEEL-POURER HELPER	2	2	2	5	M46	I367		8620	55P9[illegible]	61020430	873
502.682-010	BULLET-CASTING OPERATOR	3	2	2	4	H2346	I36		7542	59002	63000000	719
502.682-014	CASTING-MACHINE OPERATOR	3	2	2	4	M4	I		7342	55F76	61020404	719
502.684-010	LEAD CASTER	2	2	2	3	L46	I37		7754	55F76	61020404	787
502.684-014	MILL HELPER	2	2	2	3	H46	I367		7542	59002	63000000	719
502.684-018	MOLD SETTER	3	3	3	3	M456	I567		7759	59002	63000000	795
502.684-022	NEEDLE LEADER	2	2	2	2	L46	I		7754	59003	80002899	787
502.685-010	MOLDER, LEAD INGOT	2	2	2	2	H34	I36		7542	55F77	61020405	719
502.685-014	REMELTER	2	2	2	2	M34	I367		7542	55F77	61020405	719
502.686-010	CASTING-MACHINE-OPERATOR HELPER	2	1	1	2	M4	I		8614	59003	80002899	873
502.687-010	BLAST-FURNACE-KEEPER HELPER	2	2	2	3	H4	I36		8620	59002	63000000	873
502.687-014	BUSHER	2	1	1	2	H4	I36		8614	59003	80002899	873
502.687-018	LEAD-CASTER HELPER	2	1	1	2	L46	I		8620	59003	80002899	873
503.687-010	SANDBLASTER	2	2	1	2	M4	I57		8750	55540	80002403	887
504.682-010	ANNEALER	3	2	1	4	M4	I36	48.0503	7544	55J85	50060600	724
504.682-018	HEAT TREATER 2	3	3	2	4	M46	I367	48.0503	7544	55J85	50060600	724
505.682-010	SPRAYER OPERATOR	3	2	2	3	L46	I3567		7543	55R68	61084210	723
509.362-010	MIXER OPERATOR, HOT METAL	3	2	2	5	L4	I37		7529	55L45	61083831	715
509.565-010	KILN OPERATOR	2	2	2	3	M4	I3		7675	59002	63000000	766
509.566-010	MIXER OPERATOR HELPER, HOT METAL	2	2	2	2	M4	I3567		8611	59003	80002899	873

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NNN PROGRAM: 48.0502 FOUNDRY WORK. CONTINUED NNN

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
509.584-010	TEST PREPARER	2	2	2	4	M4	I56		7840	55N52	80002899	798
509.685-030	IMPREGNATOR	2	2	2	2	M4	I6		7543	59003	80002899	723
509.686-010	LABORER, GENERAL	2	1	1	2	H234	B34567		8725	59003	80002899	878
509.687-010	BOTTOM MAKER	2	1	1	3	M4	I367		8769	55C46	50020606	889
509.687-022	WEIGHER, ALLOY	2	1	2	3	M346	I36		7850	55T43	80002899	799
510.465-010	CARBIDE-POWDER PROCESSOR	3	2	2	5	H46	I6		7664	55S04	61083854	756
510.685-010	DUST MIXER	3	2	1	4	L4	I5		7664	59002	63000000	756
510.685-014	MIX-HOUSE TENDER	2	1	1	3	L4	I		7664	55S48	61083857	756
510.685-018	MIXER	2	2	2	3	M46	I		7664	55S48	61083857	756
510.685-022	PUG-MILL OPERATOR	3	1	2	4	L4	I		7664	55S48	61083857	756
510.685-026	SINTER-MACHINE OPERATOR	3	1	1	5	M45	I56		7664	55S48	61083857	756
510.685-030	SLIME-PLANT OPERATOR 1	3	2	1	6	L4	B		7664	55S48	61083857	756
511.382-010	TUNGSTEN REFINER	3	2	2	5	M24	I67		7666	55Q14	61087290	757
511.385-010	ZINC-CHLORIDE OPERATOR	3	2	2	4	M4	I		7666	59002	63000000	757
511.482-010	CONTROL OPERATOR	3	2	3	5	L46	I36		6940	59002	63000000	699
511.482-014	CRYOLITE-RECOVERY OPERATOR	3	2	2	5	L234	I57		7679	59002	63000000	777
511.485-010	MOLYBDENUM-STEAMER OPERATOR	3	2	2	4	L4	I		7676	59002	63000000	757
511.485-014	THICKENER OPERATOR	3	1	2	4	L34	B		7666	59002	63000000	757
511.565-010	DEWATERER OPERATOR	3	1	2	5	M4	I467		7666	59002	63000000	757
511.565-014	DRIER TENDER	3	2	2	4	M4	I5		7675	59002	63000000	766
511.565-018	IRON-LAUNDER OPERATOR	3	1	2	4	L3456	O		7676	55S61	61088296	757
511.582-010	LEACHER	3	2	2	5	L24	I5		7666	59002	63000000	757
512.362-010	FIRST HELPER	3	2	2	6	H456	I3567		7544	55S16	61020436	724
512.362-014	FURNACE OPERATOR	4	2	2	5	M456	I367		7544	55S16	61020436	724
512.362-018	FURNACE OPERATOR	3	2	3	5	M456	I367		7544	55S16	61020436	724
512.382-010	OXYGEN-FURNACE OPERATOR	3	2	2	5	M46	I5		7544	55S16	61020436	724
512.382-014	STOVE TENDER	3	1	2	5	L46	I35		7529	55Q99	61020407	715
512.382-018	TIN RECOVERY WORKER	3	2	2	4	H4	I3567		7529	59002	63000000	715
512.467-010	POTLINE MONITOR	3	2	2	4	M23456	I35		7830	55Q57	50142205	797
512.483-010	FURNACE CHARGER	3	2	2	4	M4	I356		7529	55S49	61020438	715
512.487-010	METAL CONTROL WORKER	3	2	2	3	M46	I		7840	55T43	80002899	798
512.662-010	CUPOLA TENDER	3	2	2	4	M346	I367		7544	55S16	61020436	724
512.666-010	FURNACE HELPER	2	1	1	2	H34	I356		8614	55S51	80002819	873
512.667-010	TEMPERATURE REGULATOR, PYROMETER	2	2	2	2	L4	I357		7830	55Q57	50142205	797
512.683-010	CHARGING-MACHINE OPERATOR	3	1	1	5	L46	I356		7529	55S49	61020438	715
512.684-010	SECOND HELPER	2	1	1	3	H4	I3567		8614	55S51	80002819	873
512.685-010	FURNACE TENDER	2	1	1	3	H4	I36		7675	55S16	61020436	766
512.685-014	NOZZLE TENDER	2	1	2	3	M4	I3		7679	59002	63000000	777
512.685-018	POT TENDER	3	1	1	3	M4	I356		7675	55M44	61088236	766
512.685-022	RECLAMATION KETTLE TENDER, METAL	2	1	1	3	M46	I356		7542	55S16	61020436	719
512.686-010	CUPOLA CHARGER	2	1	2	2	M346	I56		8725	55S49	61020438	878
512.687-010	CONDENSER SETTER	2	1	1	2	M4	I		7740	59003	80002899	785
512.687-014	THIRD HELPER	2	1	1	3	H4	I3567		7740	55S51	80002819	785
513.132-010	CONVERTER SUPERVISOR	4	3	3	6	L2456	I3567		7100	55B29	50040003	633
513.362-010	CALCINER OPERATOR	3	2	2	6	L23456	I3567		7679	55F40	61087213	777
513.462-010	FURNACE OPERATOR	3	2	2	4	M346	I3567		7675	55S16	61020436	766
513.565-010	KILN OPERATOR	3	1	2	4	L4	I356		7675	55B02	61083618	766
513.587-010	KILN-OPERATOR HELPER	2	1	1	3	M4	O356		8618	59002	63000000	873
513.667-010	CALCINER-OPERATOR HELPER	3	1	1	4	L23456	B5		8618	59002	63000000	873

*** PROGRAM: 48.0502 FOUNDRY WORK. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION		GED			SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
CODE	TITLE	R	M	L								
513.682-010	ROTARY-KILN OPERATOR	3	2	2	4	M34	B67		7675	55B02	61083618	766
513.685-010	SINTER FEEDER	3	2	2	4	M4	I57		7544	59002	63000000	724
514.360-010	DIE-CASTING-MACHINE SETTER	4	3	3	7	M46	I3567		7342	55R73	61088287	719
514.362-010	PIG-MACHINE OPERATOR	3	2	2	5	H4	I356		7542	59002	63000000	719
514.382-010	DIE-CASTING-MACHINE OPERATOR 1	3	2	2	5	M46	I356		7342	55R73	61088287	719
514.562-010	CENTRIFUGAL-CASTING-MACHINE OPERATOR 3	3	2	2	6	M4	I		7542	55F92	63000000	719
514.567-010	MOLD WORKER	2	1	1	3	M246	B		7740	55P03	80002813	785
514.582-010	VACUUM CASTER	2	1	2	5	M46	I36		7542	59002	63000000	719
514.584-010	INGOT HEADER	3	1	1	4	M46	I356		7529	55F77	61020405	715
514.662-010	CASTING OPERATOR	3	2	2	5	M46	I356		7542	55F77	61020405	719
514.664-010	CUPOLA TAPPER	2	2	2	2	M456	I356		7759	55T96	61020401	795
514.664-014	TAPPER	2	1	1	2	H46	I3567		7759	55T96	61020401	795
514.667-010	CASTING-WHEEL-OPERATOR HELPER	2	1	1	2	M4	I356		8614	59003	80002899	873
514.667-014	PIG-MACHINE-OPERATOR HELPER	2	1	1	3	H4	I356		8614	59002	63000000	873
514.667-018	SPOUT WORKER	2	1	1	2	M46	I3567		8614	59003	80002899	873
514.682-010	CASTING-WHEEL OPERATOR	3	2	2	4	L46	I36		7542	55F77	61020405	719
514.682-014	PRESS OPERATOR, CARBON BLOCKS	3	1	1	4	L4	I356		7529	59002	63000000	715
514.684-010	CASTER	2	1	1	4	M4	I36		7754	55F77	61020405	787
514.684-014	LADLE POURER	2	1	1	4	M4	I36		7754	55F77	61020405	787
514.684-018	NOZZLE-AND-SLEEVE WORKER	2	1	1	3	M4	I		6140	59002	63000000	519
514.684-022	POURER, METAL	2	1	1	2	H46	I356		7754	55C27	61020435	787
514.685-010	CENTRIFUGAL-CASTING-MACHINE OPERATOR 1	3	1	1	3	H4	I356		7542	55F92	63000000	719
514.685-014	CENTRIFUGAL-CASTING-MACHINE OPERATOR 2	2	1	1	3	M4	I356		7542	55F92	63000000	719
514.685-018	DIE-CASTING-MACHINE OPERATOR 2	2	1	1	2	M4	I36		7542	55R73	61088287	719
514.685-022	LIME MIXER TENDER	2	1	1	3	M4	I		7664	55S48	61083857	756
514.685-026	TUBE-CLEANING OPERATOR	2	1	1	2	M4	I		7542	55P03	80002813	719
514.687-010	CASTING INSPECTOR	2	2	2	3	L46	I		7820	55B58	50142202	796
514.687-014	CASTING-HOUSE WORKER	2	1	1	2	H4	I367		8769	59003	80002899	889
515.585-010	SCALE-RECLAMATION TENDER	3	1	1	4	M4	O567		7677	55S98	61083646	768
515.685-010	BATCH MAKER	2	1	1	2	L4	I		7677	55S98	61083646	768
515.685-014	CRUSHER TENDER	3	1	1	3	M4	I567		7677	55S98	61083646	768
515.685-018	STAMPING-MILL TENDER	2	1	1	3	L4	I		7677	55S98	61083646	768
515.687-010	HAMMER-MILL OPERATOR	2	1	1	3	M4	I		7677	55S98	61083646	768
518.361-010	MOLDER	4	3	3	7	M46	I5		6861	55L57	50061804	675
518.361-014	MOLDER APPRENTICE	4	3	3	7	M46	I5		6861	55L57	50061804	675
518.361-018	MOLDER, SWEEP	4	3	3	7	M46	I5		6861	55L57	50061804	675
518.380-010	SETTER, MOLDING-AND-COREMAKING MACHINES	3	2	2	4	M46	I		7342	55N94	50061005	719
518.381-014	COREMAKER	3	2	2	5	M346	I5		6861	55G85	61088403	675
518.381-018	COREMAKER APPRENTICE	3	2	2	5	M346	I5		6861	55G85	61088403	675
518.484-010	PLASTER MOLDER 2	3	1	2	4	M46	I	48.0601	7754	55L57	50061804	787
518.664-010	MOLD MAKER	2	1	2	4	M4	I6		7542	59002	63000000	719
518.682-010	MACHINE MOLDER	3	2	2	4	M4	I5		7542	55L61	50061805	719
518.683-010	SAND-SLINGER OPERATOR	2	1	1	3	L4	I5		7667	55T99	80002899	758
518.684-010	CORE SETTER	2	1	1	2	M4	I57		7542	55T73	80002899	719
518.684-014	COREMAKER, PIPE	2	1	1	3	M4	I5		7542	59002	63000000	719
518.684-018	MOLD CLOSER	2	1	1	3	H4	I7		7542	55T73	80002899	719
518.684-022	WAX-PATTERN ASSEMBLER	2	1	1	2	M46	I6		7720	55R30	61088849	785
518.684-026	WAX-PATTERN REPAIRER	2	1	1	2	L46	I		6179	55R30	61088849	547
518.685-010	CORE-OVEN TENDER	2	1	2	2	M4	I6		7675	55S09	63000000	766
518.685-014	COREMAKER, MACHINE 1	2	1	2	3	M46	I5		7542	55G86	61088274	719

*** PROGRAM: 48.0502 FOUNDRY WORK. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION		GED										
CODE	TITLE	R	M	L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
518.685-018	COREMAKER, MACHINE 2	2	1	2	2	M34	I		7542	55086	61088274	719
518.685-022	COREMAKER, MACHINE 3	2	1	2	2	M4	I		7542	55086	61088274	719
518.685-026	SHELL MOLDER	2	1	2	2	H46	I6		7542	55P13	50061808	719
518.685-030	SHELL-MOLD-BONDING-MACHINE OPERATOR	2	1	1	2	M46	I5		7542	55T73	80002899	719
518.687-010	CORE CHECKER	2	2	2	3	L46	I		7820	55B58	50142202	796
518.687-014	FOUNDRY LABORER, COREROOM	2	1	1	2	M34	I		7740	55509	63000000	785
518.687-018	MOLD-MAKER HELPER	2	1	1	3	M346	I56		8614	56900	80002823	873
518.687-022	WAX-PATTERN COATER	2	1	1	2	M46	I		7542	55R30	61088849	719
519.362-010	NICKEL-PLANT OPERATOR	3	2	2	6	M234	I46		7529	59002	63000000	715
519.362-014	TANK-HOUSE OPERATOR	3	2	2	6	M234	I46		7529	59002	63000000	715
519.387-010	MANOMETER TECHNICIAN	3	2	2	3	L46	B5		7830	55Q57	50142205	797
519.484-010	CARNALLITE-PLANT OPERATOR	2	1	2	4	M4	I		7529	59002	63000000	715
519.484-014	RAW SAMPLER	3	1	1	4	L4	I7		7840	55N52	80002899	798
519.485-010	GRINDER-MILL OPERATOR	3	1	1	4	L4	I5		7677	55598	61083646	768
519.485-014	RECOVERY-OPERATOR HELPER	2	1	2	3	M23	I67		8611	59002	63000000	873
519.565-010	DIGESTION OPERATOR	2	1	1	3	H24	O67		7679	59002	63000000	777
519.565-014	TANK-HOUSE-OPERATOR HELPER	2	1	2	3	H234	I4		8611	59002	63000000	873
519.582-010	RECOVERY OPERATOR	3	2	2	5	M234	I67		7529	59002	63000000	715
519.585-010	HARDNESS TESTER	3	2	2	3	L4	I5		7830	55Q57	50142205	797
519.585-014	MUD BOSS	3	2	2	4	M46	I4567		7679	59002	63000000	777
519.585-018	SAMPLE TESTER-GRINDER	3	2	2	4	L4	I5		7830	55N52	80002899	797
519.663-010	DOOR-MACHINE OPERATOR	3	2	2	3	M46	B357		7529	55T34	61088205	715
519.663-014	HOT-CAR OPERATOR	2	1	2	3	L46	I3567	49.0203	8318	55B57	62001001	856
519.663-018	PUSHER OPERATOR	2	1	2	3	L46	B357		7529	55T34	61088205	715
519.664-010	ASSEMBLY CLEANER	3	2	2	3	H24	I567		8750	59002	63000000	887
519.664-014	POT LINER	3	1	2	4	H234	I3567		6140	55M43	61088835	519
519.665-010	GRANULATOR TENDER	2	1	1	4	M4	B356		7679	59002	63000000	777
519.665-014	STANDPIPE TENDER	2	1	1	2	M234	O3567		7675	59003	80002899	766
519.665-018	WET-PLANT OPERATOR	3	2	2	4	L4	I		7676	59002	63000000	757
519.667-010	CARBON SETTER	3	1	1	3	H34	I5		7740	55F55	61088269	785
519.667-014	LABORER, SOLDER MAKING	2	1	1	3	M4	I36		8769	59002	63000000	889
519.683-010	DROSS SKIMMER	2	1	1	4	H46	I356		7529	55A82	50140801	715
519.684-010	LADLE LINER	2	1	1	3	M346	I56		6179	55C46	50020606	547
519.684-014	LEAF COVERER	2	1	1	3	M46	I456		6140	59002	63000000	519
519.684-018	MOLD DRESSER	2	1	1	4	M46	I567		7758	59002	63000000	794
519.684-022	STOPPER MAKER	2	1	1	3	H4	I		7720	55C46	50020606	785
519.684-026	TOOL REPAIRER	3	1	1	5	L4	I		6179	51900	50083299	547
519.685-010	BRIQUETTING-MACHINE OPERATOR	2	1	1	3	L4	I5		7675	55F19	61088277	766
519.685-014	GROUT-MACHINE TENDER	2	1	1	2	M4	I		7679	59003	80002899	777
519.685-018	KETTLE OPERATOR	3	2	2	4	M4	I		7675	59002	63000000	766
519.685-022	KETTLE TENDER 1	3	1	2	4	M46	I356		7675	59002	63000000	766
519.685-026	MUD-MILL TENDER	2	1	2	3	M4	I4		7664	55548	61083857	756
519.685-030	ROD-MILL TENDER	2	1	1	2	L4	I5		7677	55598	61083646	768
519.686-010	LABORER, GENERAL	2	1	1	2	H4	I		8725	59003	80002899	878
519.687-010	CELL PLASTERER	2	1	1	3	L4	I		7740	59002	63000000	785
519.687-014	DUST PULLER	2	1	1	2	H34	I5		8726	59003	80002899	883
519.687-018	FLUX-TUBE ATTENDANT	3	1	2	3	M46	I356		7759	55548	61083857	795
519.687-022	FOUNDRY WORKER, GENERAL	2	1	1	2	H4	I356		8769	55P03	80002813	889
519.687-026	LABORER, GENERAL	2	1	1	2	H34	B57		8769	59003	80002899	889

***** PROGRAM: 48.0502 FOUNDRY WORK.**

CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
519.687-030	MACHINE-CASTINGS PLASTERER	2 1 1	2	L4	I	48.0601	7754	55S09	63000000	787
519.687-034	RODDING-ANODE WORKER	2 1 1	3	H34	I356		7740	59002	63000000	785
519.687-038	STOPPER-MAKER HELPER	2 1 1	2	H4	I		8620	59003	80002899	873
519.687-042	TEST WORKER	1 1 1	2	L4	I3567		7840	55Q57	50142205	798
553.685-110	WAX-POT TENDER	2 2 1	2	M4	I6		7679	55R30	61088849	777
570.682-018	SAND MIXER, MACHINE	3 1 1	4	M4	I5		7677	55T99	80002899	768
570.683-014	SAND-CUTTER OPERATOR	2 1 1	4	L4	I57		7664	55T99	80002899	756
599.685-110	TUMBLER OPERATOR	2 1 2	2	M46	I5	48.0602	7673	55Q97 59003	61088414 80002899	764
600.281-014	LAY-OUT INSPECTOR	4 4 3	6	M46	I	48.0503	6881	55B58	50142202	689
613.360-014	ROLL-TUBE SETTER	3 2 1	6	M46	I356		7316	55J68	50062404	707
613.361-010	GUIDE SETTER	3 2 2	6	M46	I56		7316	55J68	50062404	707
613.382-014	FINISHER	3 2 2	6	M456	I5		7316	55V01	50062415	707
613.682-022	STRIP ROLLER	3 3 2	4	M46	I4		7316	55V01	50062415	707
700.684-046	JIGSAWYER	2 1 1	4	L46	I	48.0602	7329	59002	63000000	715
705.384-010	SCRAPER, HAND	3 1 2	6	M346	I	48.0503	7758	55B19	61082401	794
705.684-074	SNAG GRINDER	2 1 2	3	M43	I567		7677	55B19	61082401	768
801.564-010	ROLL BUILDER	3 2 3	5	M246	I56		7720	55N22	61088210	785
809.684-026	GRINDER-CHIPPER 2	2 1 1	3	H2346	I567		7758	55B19	61082401	794
849.484-010	BOILER RELINER, PLASTIC BLOCK	2 2 1	4	M46	I		7759	55C46	50020606	795
899.684-010	BONDACTOR-MACHINE OPERATOR	3 1 1	3	M2346	I37	46.0102	6130	55C46	50020606	518

PROGRAM: 48.0503 MACHINE TOOL OPERATION/MACHINE SHOP.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO SHAPE METAL PARTS ON MACHINES SUCH AS LATHES, GRINDERS, DRILL PRESSES, MILLING MACHINES, AND SHAPERS. PROGRAM MAY ALSO TRAIN INDIVIDUALS IN THE USE OF ONE MACHINE TOOL. INCLUDES INSTRUCTION IN MAKING COMPUTATIONS RELATED TO WORK DIMENSIONS; TESTING FEEDS AND SPEEDS OF MACHINES USING PRECISION MEASURING INSTRUMENTS SUCH AS LAYOUT TOOLS, MICROMETERS, AND GAUGES; MACHINING AND HEAT-TREATING VARIOUS METALS; AND IN LAYING OUT MACHINE PARTS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
500.381-010	CYLINDER GRINDER	3 3 3	7	L46	I		6816	55C29	61021201	644
504.281-010	HEAT-TREAT INSPECTOR	4 3 3	7	L46	I		6881	55B58	50142202	689
504.360-010	FLAME-ANNEALING-MACHINE SETTER	4 3 3	6	L346	I3		7344	55J85	50060600	724
504.380-010	FLAME-HARDENING-MACHINE SETTER	4 3 3	7	M46	I3		7344	55J85	50060600	724
504.380-014	INDUCTION-MACHINE SETTER	3 3 3	7	M46	I5		7344	55J85	50060600	724
504.382-010	HARDENER	4 3 3	6	H4	I67	47.0408	7544	55J85	50060600	724
504.382-014	HEAT TREATER 1	4 3 3	7	M46	I367		7544	55J85	50060600	724
504.382-018	HEAT-TREATER APPRENTICE	4 3 3	7	M46	I367		7544	55J85	50060600	724
504.387-010	HARDNESS INSPECTOR	3 3 2	4	M46	I		7830	55Q57	50142205	797
504.565-010	CHARGER OPERATOR	3 2 3	4	L46	I3567		7544	55S50	61020439	724
504.665-010	SLAB-DEPILER OPERATOR	3 2 2	4	M46	I5		7544	55P41	61088213	724
504.682-010	ANNEALER	3 2 1	4	M4	I36	48.0502	7544	55J85	50060600	724
504.682-014	CASE HARDENER	3 3 2	4	M46	I367		7544	55J85	50060600	724
504.682-018	HEAT TREATER 2	3 3 2	4	M46	I367	48.0502	7544	55J85	50060600	724
504.682-022	HEAT-TREATING BLUER	3 3 3	4	M46	I3467		7544	55J85	50060600	724

*** PROGRAM: 48.0503 MACHINE TOOL OPERATION/MACHINE SHOP. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
504.682-026	TEMPERER	3	3	2	4	M46	I367		7544	55J85	50060600	724
504.685-010	BASE-DRAW OPERATOR	3	2	2	3	M4	I		7675	55J85	50060600	766
504.685-014	FLAME-HARDENING-MACHINE OPERATOR	2	2	1	2	M4	I3		7544	55J85	50060600	724
504.685-018	HEAT-TREATER HELPER	2	2	2	2	M4	I367		8614	56900	80002823	873
504.685-022	INDUCTION-MACHINE OPERATOR	2	2	1	2	M4	I		7544	55J85	50060600	724
504.685-026	PRODUCTION HARDENER	2	2	2	3	H4	I36		7675	55J85	50060600	766
504.686-014	FURNACE HELPER	2	2	1	2	M4	I356		8725	59003	80002899	878
505.380-010	METAL SPRAYER, MACHINED PARTS	4	3	3	6	M46	I5		7329	59001	50144899	715
600.131-010	MACHINE-SHOP SUPERVISOR, TOOL	4	4	3	8	L56	I		7100	55B29	50040003	633
600.131-014	SALVAGE ENGINEER	4	4	3	7	M46	I		7100	55B29	50040003	633
600.260-010	ENGINEERING MODEL MAKER	4	4	3	8	M46	I5	48.0505	7329	55K21	50063000	715
600.260-014	EXPERIMENTAL MECHANIC	4	4	3	8	M46	I5		7329	59001	50144899	715
600.260-018	MODEL MAKER, FIREARMS	4	4	3	8	M456	I5	48.0505	7329	55B84	50061206	715
600.261-010	ASSEMBLER, STEAM-AND-GAS TURBINE	4	3	3	8	M2346	I		6812	55E22	61080440	636
600.280-010	INSTRUMENT MAKER	4	4	3	7	M46	I		6813	55K21	50063000	637
600.280-014	INSTRUMENT-MAKER AND REPAIRER	4	4	2	7	L4	I		6813	55K21	50063000	637
600.280-018	INSTRUMENT-MAKER APPRENTICE	4	4	3	7	M46	I		6813	55K21	50063000	639
600.280-022	MACHINIST	4	4	3	7	M346	I5		6813	55B84	50061206	637
600.280-026	MACHINIST APPRENTICE	4	4	3	7	M346	I5		6813	55B84	50061206	639
600 280-030	MACHINIST APPRENTICE, AUTOMOTIVE	4	3	3	7	M46	I56		6813	55B84	50061206	639
600.280-034	MACHINIST, AUTOMOTIVE	4	3	3	7	M46	I56		6813	55B84	50061206	637
600.280-038	MACHINIST, EXPERIMENTAL	4	4	3	8	H346	I6		6813	55B84	50061206	637
600.280-042	MAINTENANCE MACHINIST	4	4	3	7	M46	I		6813	55B84	50061206	637
600.281-010	FLUID-POWER MECHANIC	4	4	3	7	L46	I		6130	55B84	50061206	518
600.281-014	LAY-OUT INSPECTOR	4	4	3	6	M46	I	48.0502	6881	55B58	50142202	689
600.281-018	LAY-OUT WORKER	4	4	3	7	M46	I		6821	55K61	50061202	646
600.281-022	MACHINE BUILDER	4	4	3	7	M46	I		6812	55E22	61080440	636
600.360-010	MACHINE TRY-OUT SETTER	4	4	3	7	M46	I		6813	55L04	50061003	637
600.380-010	FIXTURE MAKER	4	3	3	7	L46	I56		7329	55B84	50061206	715
600.380-014	JOB SETTER	4	4	3	7	M46	I		7329	55R79 55528 59001	50061007 50061009 50144899	715
600.380-018	MACHINE SET-UP OPERATOR	4	4	3	6	M46	I		7329	55L01	61021402	715
600.380-022	MACHINE SETTER	4	4	3	7	M46	I5	47.0408	7329	55L04	50061003	715
600.380-026	TURBINE-BLADE ASSEMBLER	4	3	3	6	M46	I56		6812	55E22	61080440	636
601.280-054	TOOL-MACHINE SET-UP OPERATOR	4	4	3	7	M46	I	48.0507	7329	55L01	61021402	715
601.281-018	INSPECTOR, GAGE AND INSTRUMENT	4	4	3	7	M46	I	48.0507	6881	55B58	50142202	689
601.380-010	CARBIDE OPERATOR	4	4	3	6	M4	I		6829	55D23	50063001	655
601.381-030	PLASTIC-FIXTURE BUILDER	4	3	3	7	M46	I7		6811	55D23	50063001	634
601.482-010	PROFILE-GRINDER TECHNICIAN	3	3	3	6	L46	I7	48.0507	7322	55J63	61020600	709
601.682-010	TOOL DRESSER	3	2	2	5	M46	I		7522	55J63	61020600	709
602.280-010	GEAR-CUTTING-MACHINE SET-UP OPERATOR, TO	4	4	3	7	M46	I		7329	55B44	63000000	715
602.360-010	GRINDER SET-UP OPERATOR, GEAR, TOOL	4	3	3	7	L46	I5		7322	55B44	63000000	709
602.362-010	GEAR INSPECTOR	4	3	3	6	M46	I		7820	55B58	50142202	796
602.362-014	GEAR-SORTING-AND-INSPECTING MACHINE OPER	3	3	2	4	L456	I5		7529	55B58	50142202	715
602.380-010	GEAR-CUTTING-MACHINE SET-UP OPERATOR	4	3	3	6	M46	I5		7329	55B44	63000000	715
602.382-010	GEAR HOBBER SET-UP OPERATOR	3	3	3	5	M46	I5		7329	55B44	63000000	715
602.382-014	GEAR-GENERATOR SET-UP OPERATOR, SPIRAL B	3	3	3	5	M46	I		7329	55B44	63000000	715
602.382-018	GEAR-GENERATOR SET-UP OPERATOR, STRAIGHT	3	3	3	5	M46	I5		7329	55B44	63000000	715
602.382-022	GEAR-MILLING-MACHINE SET-UP OPERATOR	3	3	3	5	M46	I		7329	55B44	63000000	715
602.382-026	GEAR-SHAPER SET-UP OPERATOR	3	3	3	5	M46	I5		7329	55B44	63000000	715

*** PROGRAM: 48.0503 MACHINE TOOL OPERATION/MACHINE SHOP. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
602.382-030	GEAR-SHAVER SET-UP OPERATOR	3	3	3	6	M46	I5		7329	55B44	63000000	715
602.382-034	GRINDER, GEAR	3	3	3	5	M46	I5		7322	55B44	63000000	709
602.482-010	GEAR-LAPPING-MACHINE OPERATOR	3	3	3	5	M46	I	47.0408	7324	55B44	63000000	709
602.685-010	GEAR-CUTTING-MACHINE OPERATOR, PRODUCTIO	2	2	2	3	M46	I5		7529	55B44	63000000	715
603.240-010	GRINDER SET-UP OPERATOR, THREAD TOOL	4	4	3	7	M46	I		7322	55J63	61020600	709
603.280-010	GRINDER OPERATOR, EXTERNAL, TOOL	4	3	3	7	M46	I		6816	55J63	61020600	644

*** PROGRAM: 48.0503 MACHINE TOOL OPERATION/MACHINE SHOP. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
603.280-014	GRINDER OPERATOR, SURFACE, TOOL	4	3	3	7	M46	I		6816	55J63	61020600	644
603.280-018	GRINDER OPERATOR, TOOL	4	4	3	7	M46	I5		6816	55J63	61020600	644
603.280-022	GRINDER SET-UP OPERATOR, INTERNAL 1	4	3	3	7	M46	I		6816	55J63	61020600	644
603.280-026	GRINDER SET-UP OPERATOR, JIG	4	4	3	7	L46	I		7322	55J63	61020600	709
603.280-030	GRINDER SET-UP OPERATOR, UNIVERSAL	4	4	3	7	M46	I5		6816	55J63	61020600	644
603.280-034	JOB SETTER, HONING	4	3	3	6	M46	I		7322	55L04	50061003	709
603.280-038	TOOL-GRINDER OPERATOR	4	3	3	7	M46	I5		6816	55J63	61020600	644
603.360-010	BUFFING-LINE SET-UP WORKER	3	2	2	5	M346	I5		7322	55L04	50061003	709
603.380-010	GRINDER MACHINE SETTER	4	3	3	6	M46	I		7322	55L04	50061003	709
603.382-010	BUFFING-MACHINE OPERATOR	3	2	2	4	L4	I57		7322	55B19	61082401	709
603.382-014	GRINDER SET-UP OPERATOR, CENTERLESS	3	3	3	5	M46	I		7322	55J63	61020600	709
603.382-018	HONING-MACHINE SET-UP OPERATOR	3	2	2	5	M46	I		7322	55J63	61020600	709
603.382-022	HONING-MACHINE SET-UP OPERATOR, TOOL	4	3	3	6	M46	I5		7322	55J63	61020600	709
603.382-026	LAPPING-MACHINE SET-UP OPERATOR	3	2	2	6	M46	I		7322	55J63	61020600	709
603.382-030	PRINTING-ROLLER POLISHER	3	2	2	6	H46	I4		7522	55J63	61020600	709
603.482-010	DEBURRER, STRIP	3	2	2	6	L46	I	47.0408	7322	55J63	61020600	709
603.482-014	GRINDER SET-UP OPERATOR, EXTERNAL	3	3	3	4	M46	I5		7322	55J63	61020600	709
603.482-018	GRINDER SET-UP OPERATOR, INTERNAL 2	3	3	3	4	M46	I		7322	55J63	61020600	709
603.482-022	GRINDER SET-UP OPERATOR, SURFACE	3	3	2	4	M46	I		7322	55J63	61020600	709
603.482-026	GRINDER SET-UP OPERATOR, THREAD	3	3	3	6	M46	I		7322	55J63	61020600	709
603.482-030	GRINDER 1	3	2	2	5	L4	I		7522	55J63	61020600	709
603.482-034	HONING-MACHINE OPERATOR, PRODUCTION	3	2	2	4	M46	I5		7322	55J63	61020600	709
603.664-010	TOOL GRINDER 2	2	1	1	3	M46	I35		7522	55J63	61020600	709
603.665-010	BUFFING-MACHINE TENDER	2	1	1	2	L4	I57		7522	55B19	61082401	709
603.682-010	BUFFING-MACHINE OPERATOR, SILVERWARE	3	2	2	4	M46	I		7322	55B19	61082401	709
603.682-014	KNIFE GRINDER	4	2	2	5	M46	I56		7322	55J63	61020600	709
603.682-018	LINTER-SAW SHARPENER	3	3	2	4	L46	I5		7522	55N63	63000000	709
603.682-022	MIRROR-FINISHING-MACHINE OPERATOR	3	2	2	4	L4	I5		7322	55B19	61082401	709
603.682-026	POLISHING-MACHINE OPERATOR	3	2	2	4	M4	I4		7322	55J63	61020600	709
603.685-010	BAND-REAMER-MACHINE OPERATOR	2	1	1	3	M4	I		7522	55J63	61020600	709
603.685-014	BARREL POLISHER, INSIDE	2	1	1	3	L46	I		7522	55B19	61082401	709
603.685-018	BEARINGNIZER	2	1	1	2	H34	I		7522	55J63	61020600	709
603.685-022	BEVEL POLISHER	2	2	2	3	L46	I	47.0408	7522	55J63	61020600	709
603.685-026	BIT SHARPENER	2	1	1	3	M46	I56		7522	55J63	61020600	709
603.685-030	BIT-SHARPENER OPERATOR	2	1	1	2	M46	I		7522	55L03	61021405	709
603.685-034	BOTTOM POLISHER	2	1	1	2	L346	I		7522	55B19	61082401	709
603.685-038	BRUSH POLISHER	2	1	1	3	L4	I	47.0408	7522	55B19	61082401	709

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*** PROGRAM: 48.0503 MACHINE TOOL OPERATION/MACHINE SHOP. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES CODE	FOURTH EDITION TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
603.685-042	BURNISHER	2	1	1	2	L4	I	47.0408	7522	55B19	61082401	709
603.685-046	BURRER, MACHINE	2	1	1	2	L46	I		7522	55J63	61020600	709
603.685-050	DEBURRER	2	1	1	2	L46	I		7522	55J63	61020600	709
603.685-054	FLAT POLISHER	2	1	1	4	L4	I	47.0408	7522	55B19	61082401	709
603.685-058	GRINDER OPERATOR, AUTOMATIC	2	1	1	2	L46	I		7522	55J63	61020600	709
603.685-062	GRINDER OPERATOR, PRODUCTION	3	2	2	3	M46	I		7522	55J63	61020600	709
603.685-070	LAPPING-MACHINE OPERATOR, PRODUCTION	2	2	2	3	M46	I		7522	55J63	61020600	709
603.685-074	SHOT-GRINDER OPERATOR	2	1	2	2	M46	I		7522	55J63	61020600	709
603.685-082	STONER AND POLISHER, BEVEL FACE	2	1	1	3	L4	I	47.0408	7522	55J63	61020600	709
603.686-010	POLISHING-MACHINE-OPERATOR HELPER	2	1	1	2	M4	I4		8725	59003	80002899	878
604.260-010	SCREW-MACHINE SET-UP OPERATOR, SWISS-TYP	4	3	3	7	M46	I5	47.0408	7312	55K58	61021006	703
604.280-010	ENGINE-LATHE SET-UP OPERATOR, TOOL	4	4	4	7	M46	I5		7312	55K58	61021006	703
604.280-014	SCREW-MACHINE SET-UP OPERATOR, MULTIPLE	4	3	3	8	M46	I		7312	55K58	61021006	703
604.280-018	SCREW-MACHINE SET-UP OPERATOR, SINGLE SP	4	3	3	7	M46	I5		7312	55K58	61021006	703
604.280-022	TURRET-LATHE SET-UP OPERATOR, TOOL	4	4	4	7	M46	I5		7431	55K58	61021006	726
604.360-010	SETTER, AUTOMATIC-SPINNING LATHE	4	3	3	6	M46	I		7312	55L04	50061003	703
604.362-010	LATHE OPERATOR, NUMERICAL CONTROL	4	3	3	6	M46	I5		7512	55L02	61021403	704
604.380-010	CHUCKING-MACHINE SET-UP OPERATOR	4	4	4	6	M46	I		7312	55K58	61021006	703
604.380-014	CHUCKING-MACHINE SET-UP OPERATOR, MULTIP	4	4	4	6	M46	I		7312	55K58	61021006	703
604.380-018	ENGINE-LATHE SET-UP OPERATOR	4	4	4	6	M46	I		7312	55K58	61021006	703
604.380-022	SCREW-MACHINE SET-UP OPERATOR, PRODUCTIO	3	3	3	5	M46	I		7312	55K58	61021006	703
604.380-026	TURRET-LATHE SET-UP OPERATOR	4	4	4	6	M46	I5		7312	55K58	61021006	703
604.382-010	SCREW-MACHINE OPERATOR, MULTIPLE SPINDLE	3	2	2	6	M46	I5		7512	55K58	61021006	704
604.382-014	SCREW-MACHINE OPERATOR, SINGLE SPINDLE	3	2	2	5	M46	I5		7512	55K58	61021006	704
604.666-010	THREADING-MACHINE FEEDER, AUTOMATIC 1	2	1	1	2	H34	I4		8725	55K58	61021006	878
604.682-014	THREADING-MACHINE OPERATOR	3	3	3	5	M346	I5		7312	55K58	61021006	703
604.685-014	FACING-MACHINE OPERATOR	2	1	1	3	L46	I		7512	55K58	61021006	704
604.685-018	KNURLING-MACHINE OPERATOR	2	2	2	3	M46	I		7512	55K58	61021006	704
604.685-022	LAP CUTTER-TRUER OPERATOR	2	1	1	2	L4	I		7512	55K58	61021006	704
604.685-026	LATHE OPERATOR, PRODUCTION	2	2	2	3	M46	I5		7512	55K58	61021006	704
604.685-034	SCREW-MACHINE OPERATOR, PRODUCTION	2	2	2	4	M46	I5		7512	55K58	61021006	704
604.685-038	THREADING-MACHINE OPERATOR	2	1	2	4	L46	I5		7512	55K58	61021006	704
604.685-042	TURRET-LATHE OPERATOR, TUMBLE TAILSTOCK	2	1	1	3	L46	I	47.0408	7512	55K58	61021006	704
605.280-010	MILLING-MACHINE SET-UP OPERATOR 1	4	4	3	7	M46	I5		7313	55L31	61021007	705
605.280-014	PROFILING-MACHINE SET-UP OPERATOR 1	4	3	3	7	M46	I5		7313	55L31	61021007	705
605.280-018	PROFILING-MACHINE SET-UP OPERATOR, TOOL	4	4	3	7	M46	I		7313	55L31	61021007	705
605.282-010	MILLING-MACHINE SET-UP OPERATOR 2	4	4	3	7	M46	I5		7313	55L31	61021007	705
605.282-014	PLANER SET-UP OPERATOR, TOOL	4	3	3	7	H46	I		7313	55L31	61021007	705
605.282-018	PLANER-TYPE-MILLING-MACHINE SET-UP OPERA	4	3	3	7	M46	I5		7313	55L31	61021007	705
605.360-010	ROUTER SET-UP OPERATOR, NUMERICAL CONTRO	4	3	3	6	M46	I5		7326	55L02	61021403	714
605.380-010	MILLING-MACHINE OPERATOR, NUMERICAL CONT	3	3	2	7	L46	I56		7326	55L02	61021403	714
605.382-010	BROACHING-MACHINE SET-UP OPERATOR	3	3	2	4	M46	I		7313	55L31	61021007	705
605.382-014	ENGRAVER, TIRE MOLD	3	3	2	5	M46	I5		7313	55L31	61021007	705
605.382-018	KEYSEATING-MACHINE SET-UP OPERATOR	3	3	2	4	M46	I		7313	55L31	61021007	705
605.382-022	PANTOGRAPH-MACHINE SET-UP OPERATOR	3	3	3	7	M46	I5		7313	55L31	61021007	705
605.382-026	PROFILING-MACHINE SET-UP OPERATOR 2	3	2	2	5	M46	I5		7313	55L31	61021007	705
605.382-030	ROTARY-HEAD-MILLING-MACHINE SET-UP OPERA	4	3	3	7	M46	I5		7313	55L31	61021007	705
605.382-034	ROUTER OPERATOR	3	3	2	6	M46	I56		7313	55L31	61021007	705
605.382-038	SHAPER SET-UP OPERATOR, TOOL	4	3	3	6	M46	I		7313	55L31	61021007	705

*** PROGRAM: 48.0503 MACHINE TOOL OPERATION/MACHINE SHOP. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R M L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	D E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
605.382-042	THREAD-MILLING-MACHINE SET-UP OPERATOR	3 3 2	6	M46	I		7313	55L31	61021007	705
605.482-010	STEEL-WOOL-MACHINE OPERATOR	3 3 3	5	L4	I		7313	59002	63000000	705
605.682-010	BARREL-RIB MATTING-MACHINE OPERATOR	3 2 2	4	M4	I		7313	55L31	61021007	705
605.682-014	BROACHING-MACHINE OPERATOR, PRODUCTION	3 2 2	4	M46	I5		7513	55L31	61021007	705
605.682-018	ROUTER OPERATOR, RADIAL	3 2 2	4	L4	I56		7513	55L31	61021007	705
605.682-022	SCALPER OPERATOR	3 2 2	4	M46	I56		7313	55L31	61021007	705
605.682-026	TOOTH CUTTER, ESCAPE WHEEL	3 2 2	4	L46	I	47.0408	7313	55L31	61021007	705
605.682-030	WHEEL CUTTER	3 2 2	5	L46	I	47.0408	7513	55L31	61021007	705
605.685-010	BARREL RIFLER	2 1 2	3	L46	I		7513	55L31	61021007	705
605.685-014	FILE CUTTER	3 2 2	4	L46	I		7513	55L31	61021007	705
605.685-018	HOOKING-MACHINE OPERATOR	2 1 1	3	L46	I	47.0408	7513	55L31	61021007	705
605.685-022	JEWEL STRIPPER	2 1 2	2	L46	I	47.0408	7513	55L31	61021007	705
605.685-026	LEVER MILLER	2 1 2	2	L4	I	47.0408	7513	55L31	61021007	705
605.685-030	MILLING-MACHINE OPERATOR, PRODUCTION	2 2 2	3	M46	I56		7513	55L31	61021007	705
605.685-034	PLANING-MACHINE OPERATOR	2 1 1	3	L46	I	47.0408	7513	55L31	61021007	705
605.685-038	PROFILING-MACHINE OPERATOR	2 1 1	2	L46	I	47.0408	7513	55L31	61021007	705
605.685-042	SCRIBING-MACHINE OPERATOR	2 2 2	2	L46	I		7513	55L31	61021007	705
605.685-046	SQUARING-MACHINE OPERATOR	2 1 1	2	L46	I	47.0408	7513	55L31	61021007	705
605.685-050	TOOTH CUTTER	2 2 2	3	L46	I	47.0408	7513	55L31	61021007	705
606.280-010	BORING-MACHINE SET-UP OPERATOR, JIG	4 4 3	7	M46	I5		7318	55H95	61020201	708
606.280-014	BORING-MILL SET-UP OPERATOR, HORIZONTAL	4 4 3	7	M46	I5		7318	55H95	61020201	708
606.362-010	DRILL-PRESS OPERATOR, NUMERICAL CONTROL	3 3 3	6	M46	I5		7326	55L02	61021403	714
606.380-010	DRILL-PRESS SET-UP OPERATOR, MULTIPLE SP	4 4 3	6	M46	I5		7318	55H95	61020201	708
606.380-014	DRILL-PRESS SET-UP OPERATOR, RADIAL	4 4 3	6	M46	I56		7318	55H95	61020201	708
606.380-018	DRILL-PRESS SET-UP OPERATOR, RADIAL, TOO	4 4 3	6	M46	I56		7318	55H95	61020201	708
606.382-010	DRILLER-AND-REAMER, AUTOMATIC	3 2 2	4	L4	I		7518	55H95	61020201	708
606.382-014	JIG-BORING MACHINE OPERATOR, NUMERICAL C	4 4 3	7	M46	I5		7326	55L02	61021403	714
606.682-010	BORING-MACHINE OPERATOR	3 3 3	5	M46	I5		7318	55H95	61020201	708
606.682-014	DRILL-PRESS OPERATOR	3 2 2	3	M46	I5		7518	55H95	61020201	708
606.682-018	DRILL-PRESS SET-UP OPERATOR, SINGLE SPIN	3 3 2	4	M46	I5		7318	55H95	61020201	708
606.682-022	TAPPER OPERATOR	3 3 3	4	M4	I5		7318	55H95	61020201	708
606.685-010	BORING-MACHINE OPERATOR, PRODUCTION	2 2 2	3	M46	I5		7518	55H95	61020201	708
606.685-014	CHAMFERING-MACHINE OPERATOR 1	3 2 2	3	L4	I5		7518	55H95	61020201	708
606.685-018	CHAMFERING-MACHINE OPERATOR 2	2 1 1	2	L4	I5		7518	55H95	61020201	708
606.685-026	DRILL-PRESS OPERATOR, PRODUCTION	2 1 1	2	M46	I5		7518	55H95	61020201	708
606.685-034	REAMING-MACHINE TENDER	2 1 1	2	M4	I		7518	55H95	61020201	708
607.382-010	CONTOUR-BAND-SAW OPERATOR, VERTICAL	3 3 2	4	M46	I5		7329	55H64	61085013	715
607.682-010	CUT-OFF-SAW OPERATOR, METAL	3 2 2	4	M46	I5		7329	55H64	61085013	715
607.682-014	PROFILE TRIMMER	3 2 2	4	L46	I6		7529	55H64	61085013	715
607.682-018	SAW OPERATOR	3 2 2	4	M4	I56		7329	55H64	61085013	715
607.685-010	CUT-OFF SAW TENDER, METAL	2 2 2	2	M46	I56		7529	55H64	61085013	715
607.686-010	MAGNESIUM-MILL OPERATOR	2 1 1	2	M4	I6		7513	55L31	61021007	705
609.260-010	GUNSMITH, BALLISTICS LABORATORY	4 4 4	8	M46	I56	47.0402	7329	51032	50083208	715
609.280-010	TRIM-MACHINE ADJUSTER	3 2 3	5	M4	I6		7339	55L04	50061003	717
609.361-010	INSPECTOR, FLOOR	3 3 3	6	M46	I5		6881	55858	50142202	689
609.380-010	ELECTRICAL-DISCHARGE-MACHINE SET-UP OPER	4 4 4	7	L46	I5		7329	55884	50061206	715
609.380-014	THREADING-MACHINE SETTER	4 3 3	6	M346	I		7312	55L04	50061003	703
609.462-010	BALANCING-MACHINE OPERATOR	3 2 2	6	M46	I		7529	55R87	63000090	715
609.482-010	ELECTRICAL-DISCHARGE-MACHINE OPERATOR, P	3 2 2	4	M46	I		7529	59002	63000000	715

*** PROGRAM: 48.0503 MACHINE TOOL OPERATION/MACHINE SHOP. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES CODE	FOURTH EDITION TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
611.462-010	UPSETTER	3	2	2	5	H46	I356		7319	55R05	50144899	713
609.482-014	STRAIGHT-PIN-MAKING-MACHINE OPERATOR	3	3	3	5	H346	I56		7329	59002	63000000	715
609.662-010	NUMERICAL-CONTROL-MACHINE OPERATOR	3	3	3	5	M46	I5		7326	55L02	61021403	714
609.682-010	AUTOMATIC-WHEEL-LINE OPERATOR	3	3	3	6	M4	I		7529	55L02	61021403	715
609.682-014	COLLET MAKER	3	2	2	5	L46	I	47.0408	7529	59002	63000000	715
609.682-018	CROOK OPERATOR	3	2	3	4	L4	I5		7529	59002	63000000	715
609.682-022	MACHINE OPERATOR, CENTRIFUGAL-CONTROL SW	3	2	2	6	L46	I5		7529	55L01	61021402	715
609.682-026	NICKING-MACHINE OPERATOR	3	2	2	5	L46	I5		7322	55J63	61020600	709
609.682-030	SCREWMAKER, AUTOMATIC	3	2	2	5	L46	I	47.0408	7529	59002	63000000	715
609.684-010	INSPECTOR, GENERAL	3	2	2	4	L46	I5		7820	55858	50142202	796
609.684-014	LABORER, GENERAL	2	1	1	2	H34	I5		7529	59003	80002899	715
609.685-018	PRODUCTION-MACHINE TENDER	2	2	2	3	M46	I5		7529	55L01	61021402	715
609.685-022	TRANSFER-MACHINE OPERATOR	3	2	2	3	M4	I		7529	55L01	61021402	715
609.685-026	TRIM-MACHINE OPERATOR	2	1	1	3	M46	I5		7529	55L01	61021402	715
610.462-010	DROP-HAMMER OPERATOR	3	2	2	6	H3456	I23567		7319	55I01	50144899	713
611.482-010	FORGING-PRESS OPERATOR 1	3	2	2	5	H46	I35		7319	55I94	50060802	713
611.482-014	ROLLER-MACHINE OPERATOR	3	2	1	4	M4	I35		7519	55I95	50062403	713
611.682-010	STEEL-SHOT-HEADER OPERATOR	3	1	2	4	M46	I45		7319	59002	63000000	713
611.685-010	FORGING-PRESS OPERATOR 2	2	2	2	2	H46	I356		7519	55I94	50060802	713
611.685-014	HYDRAULIC OPERATOR	2	1	1	3	M4	I		7519	55I94	50060802	713
612.462-010	MULTI-OPERATION-MACHINE OPERATOR	3	3	2	6	L46	I356		7319	55J84	50060804	713
612.462-014	NUT FORMER	3	3	2	5	M46	I5		7319	55J84	50060804	713
612.662-010	SPIKE-MACHINE OPERATOR	3	2	1	7	M346	I56		7319	59001	50144899	713
612.682-010	BUCKSHOT-SWAGE OPERATOR	3	2	2	4	H34	I56		7319	59002	63000000	713
612.682-014	FORGING-ROLL OPERATOR	3	2	2	4	H46	I356		7319	55I95	50062403	713
613.360-010	ROLL-FORMING-MACHINE SET-UP MECHANIC	4	3	2	6	M46	I5		7316	59001	50144899	707
613.360-018	TIN ROLLER, HOT MILL	4	3	3	7	M456	I3567		7316	59001	50144899	707
613.462-010	COLD-MILL OPERATOR	4	3	3	7	M45	I456		7316	55V01	50062415	707
613.462-018	ROLLING-MILL OPERATOR	3	2	1	6	L46	I56		7316	55N32	50062415	707
613.482-010	MILL OPERATOR, ROLLS	3	3	2	4	M34	I56		7316	55N32	50062415	707
613.482-014	PIERCING-MACHINE OPERATOR	3	2	2	5	M46	I3		7316	59002	63000000	707
613.682-014	REELING-MACHINE OPERATOR	3	2	1	5	M46	I5		7316	59002	63000000	707
614.380-010	EXTRUSION-PRESS ADJUSTER	3	3	2	5	M46	I		7315	59002	63000000	719
614.382-010	WIRE DRAWER	3	2	1	4	H46	I56		7315	55R41	61088850	719
614.482-010	DRAW-BENCH OPERATOR	3	1	2	4	H46	I5		7315	55H85	61088267	719
614.482-014	EXTRUDER OPERATOR	3	2	2	5	M46	I35		7315	55I48	61088276	719
614.482-018	EXTRUSION-PRESS OPERATOR 1	3	3	2	5	L46	I5		7315	59002	63000000	719
614.685-022	TUBE DRAWER	2	1	1	3	M46	I5		7515	55H85	61088267	719
615.685-018	CUP-TRIMMING-MACHINE OPERATOR	2	1	1	2	L4	I5		7512	55K58	61021006	704
615.685-022	CUT-OFF-MACHINE OPERATOR	2	1	1	2	M4	I		7514	55R78	61021609	706
617.380-010	KICK PRESS SETTER	3	2	3	5	L46	I	48.0504	7317	59001	50144899	706
617.682-018	HOBBING-PRESS OPERATOR	3	1	1	4	L46	I		7529	59002	63000000	715
617.685-014	CORNER FORMER	2	1	1	3	L4	I	48.0504	7517	55590	61021611	706
619.682-026	HOOP BENDER, TANK	3	2	2	3	M46	I5		7529	55590	61021611	715
620.682-010	BRAKE-DRUM-LATHE OPERATOR	3	2	2	5	M346	I		7312	55K58	61021006	703
628.382-014	SHEAR-GRINDER OPERATOR	3	2	3	6	M46	I	47.0303	7322	55J63	61020600	709
629.382-010	MACHINE TESTER	3	3	3	4	M4	I	47.0303	7322	55Q57	50142205	709
629.682-010	ROLL GRINDER	3	2	3	5	M46	I567	47.0303	7322	55J63	61020600	709
680.380-010	CARD GRINDER	4	3	3	7	M456	I57		6816	55F60	61040201	644

*** PROGRAM: 48.0503 MACHINE TOOL OPERATION/MACHINE SHOP. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION		GED			SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
CODE	TITLE	R	M	L								
692.260-010	MACHINE SETTER	3	3	3	6	L3456	I		7322	59001	50144899	709
693.280-010	FORM BUILDER	4	3	4	7	M46	I56		6862	55A47	50020201	676
693.380-014	SAMPLE-BODY BUILDER	4	3	3	8	L46	I		7339	25452	10243899	717
693.380-018	SAMPLE-BODY-BUILDER APPRENTICE	4	3	3	8	L46	I		7339	25452	10243899	717
694.260-010	LOADING-MACHINE TOOL-SETTER	4	3	3	6	L245	I56		7339	59002	63000000	717
694.360-010	PRIMER-CHARGING TOOL SETTER	4	3	3	6	M46	I6		7339	59002	63000000	717
694.682-010	BULLET-ASSEMBLY-PRESS SETTER-OPERATOR	3	2	3	4	L46	I		7349	59002	63000000	725
700.682-014	LATHE HAND	3	1	2	6	L46	I	48.0602	7512	55K58	61021006	704
700.682-018	PROFILE-SAW OPERATOR	3	2	2	3	L46	I56		7329	55N64	61085013	715
701.381-018	TOOL GRINDER 1	3	2	2	6	L46	I5	01.0203	6816	55B19	61082401	644
701.684-026	SAW-EDGE FUSER, CIRCULAR	2	2	2	3	M46	I		7539	55N63	63000000	717
701.687-018	COLD-PRESS LOADER	2	1	2	3	L4	I		7740	59002	63000000	785
705.381-010	DIE BARBER	3	1	2	7	M46	I5		6829	55B19	61082401	655
705.384-010	SCRAPER, HAND	3	1	2	6	M346	I	48.0502	7758	55B19	61082401	794
705.481-010	FILER, FINISH	3	2	2	5	M46	I	47.0402	6816	55B19	61082401	644
705.481-014	LAPPER, HAND, TOOL	3	3	2	5	L46	I		6816	55B19	61082401	644
705.484-010	FILER, HAND, TOOL	3	2	2	6	M46	I	48.0507	7758	55B19	61082401	794
705.484-014	FINAL FINISHER, FORGING DIES	3	2	2	6	M46	I		7529	55B19	61082401	715
705.684-010	BENCH GRINDER	2	1	1	3	M46	I4567		7522	55B19	61082401	709
705.684-014	BUFFER 1	2	1	2	4	M46	I67		7677	55B19	61082401	768
705.684-018	FILER AND SANDER	2	1	1	3	L4	I		7755	55B19	61082401	787
705.684-026	GRINDER 1	2	1	2	3	M46	I567	47.0603	7758	55B19	61082401	794
705.684-030	GRINDER-CHIPPER 1	3	2	2	4	H2346	I567		7758	55B19	61082401	794
705.684-034	METAL FINISHER	2	1	2	4	L46	I5	47.0693	7529	55B19	61082401	715
705.684-038	MOLD FINISHER	3	2	2	5	M46	I	48.0507	7755	55B19	61082401	787
705.684-054	PIPE BUFFER	2	1	1	2	M34	O56		7758	55B19	61082401	794
705.684-058	POLISHER	3	2	2	6	M46	I57	47.0603	7522	55B19	61082401	709
705.684-062	POLISHER AND BUFFER 2	2	1	2	2	M46	I		7758	55B19	61082401	794
705.684-066	POLISHER APPRENTICE	3	2	2	6	M46	I57	47.0603	7522	55B19	61082401	709
705.687-014	LABORER, GRINDING AND POLISHING	2	2	2	2	M46	I57		8769	55B19	61082401	889
706.382-014	TESTER, SOUND	3	2	2	4	L45	I		7830	55Q57	50142205	797
706.684-038	BEARING-RING ASSEMBLER	2	2	2	3	L46	I		7720	55E22	61080440	785
706.684-098	VALVE GRINDER	3	2	2	5	M46	I		7758	59002	63000000	794
709.484-014	STRAIGHTENER, HAND	3	2	2	5	M46	I5		7755	59002	63000000	787
709.684-022	BABBITTER	3	2	1	6	M46	I67		7756	59002	63000000	789
709.684-038	CLIP-BOLTER AND WRAPPER	2	2	1	3	M4	I5	48.0504	7720	59002	63000000	785
709.684-082	STAB SETTER AND DRILLER	2	2	2	3	L4	I		7518	59002	63000000	708
714.281-018	MACHINIST, MOTION-PICTURE EQUIPMENT	4	4	4	8	M46	I	47.0405	6813	55B84	50061206	637
715.261-010	MECHANICAL TECHNICIAN, LABORATORY	4	4	4	7	L46	I	47.0408	6881	55Q57	50142205	689
715.660-010	SET-UP WORKER	3	2	3	5	L456	I5	47.0408	7339	59002	63000000	717
734.584-010	NEEDLE GRINDER	2	1	2	2	L46	I		7677	55B19	61082401	768
801.361-010	BLOWER AND COMPRESSOR ASSEMBLER	4	3	3	6	H346	I		6812	55E22	61080440	636
809.684-018	DRILLER, HAND	2	1	1	2	M46	I5		7529	59003	80002499	715
869.684-074	UTILITY WORKER	3	2	2	5	M2346	I5	48.0504 48.0703	7720	59002	63000000	785
910.684-010	GRINDING-MACHINE OPERATOR, PORTABLE	2	2	2	3	M346	O56		6467	55B19	61082401	599

PROGRAM: 48.0504 METAL FABRICATION.
------------------ AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO FABRICATE AND ASSEMBLE A VARIETY OF PRODUCTS. INCLUDES INSTRUCTION IN LAYOUT; SEQUENCE OF OPERATIONS; SET UP AND OPERATION OF FABRICATING MACHINES; DESIGN AND CONSTRUCTION OF TEMPLATES AND FIXTURES; AND THE POSITIONING, ALIGNING, FITTING AND WELDING OF PARTS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
502.582-014	FLUOROSCOPE OPERATOR	3	3	3	5	L46	I6	48.0502	7820	55B58	50142202	796
601.381-034	SAW MAKER	4	4	3	6	L46	I6		6811	55D23	50063001	634
615.280-010	SLITTER SERVICE AND SETTER	4	3	3	6	M46	I56	47.0303	7314	55R81	50061008	706
615.482-010	ANGLE SHEAR OPERATOR	3	2	2	3	H46	I567		7314	55R80	61081459	706
615.482-018	IRONWORKER-MACHINE OPERATOR	3	2	2	4	H346	I56		7314	55R78	61021609	706
615.482-022	PUNCH-PRESS OPERATOR 1	3	2	1	5	H46	I56	48.0506	7314	55R78	61021609	706
615.482-026	PUNCH-PRESS OPERATOR, AUTOMATIC	3	3	2	5	H46	I56	48.0506	7314	55R78	61021609	706
615.682-014	PUNCH-PRESS OPERATOR 3	3	2	2	4	H46	I567	48.0506	7514	55R78	61021609	706
615.685-014	CLEARANCE CUTTER	2	1	1	2	L4	I	47.0408	7678	55R78	61021609	769
615.685-030	PUNCH-PRESS OPERATOR 2	2	1	1	3	H4	I56	48.0506	7514	55R78	61021609	706
615.685-038	STRIP-METAL-PUNCH-AND-STRAIGHTENER OPERA	2	1	1	3	M4	I	48.0506	7514	55R78	61021609	706
616.260-010	EMBOSSING TOOLSETTER	4	3	2	6	L4	I5		7339	59002	63000000	717
616.260-014	MULTI-OPERATION-FORMING-MACHINE SETTER	4	3	3	7	M346	I56		7329	55B91	50144899	715
616.260-018	SPRING COILING MACHINE SETTER	4	4	3	7	L46	I5		7339	55L04	50061003	717
616.260-022	TORSION SPRING COILING MACHINE SETTER	4	4	3	7	L46	I5		7339	59001	50144899	717
616.280-010	SPRING MAKER	4	3	3	7	M46	I5		7339	55A01	61085811	717
616.360-010	BODY-MAKER-MACHINE SETTER	3	2	2	6	L46	I35		7339	55S33	61088292	717
616.360-014	LOOM SETTER, WIRE WEAVING	4	3	3	7	M3456	I5		7339	59001	50144899	717
616.360-018	MACHINE OPERATOR 1	4	3	3	6	M346	I567		7329	55B91 55C81	50144899 50062600	715
614.360-022	MACHINE SETTER	4	3	3	6	M3456	I567		7329	55L04	50061003	715
616.360-026	MULTI-OPERATION-FORMING-MACHINE OPERATOR	4	3	3	6	M346	I56		7339	59002	63000000	717
616.360-030	SHOTGUN-SHELL-ASSEMBLY-MACHINE ADJUSTER	3	2	2	4	L3456	I56		7339	59002	63000000	717
616.360-034	STRAIGHT-LINE-PRESS SETTER	3	2	2	4	M346	I5		7339	59002	63000000	717
616.362-010	FABRIC-MACHINE OPERATOR 1	3	3	3	6	M346	I5		7339	59002	63000000	717
616.380-010	FOUR-SLIDE-MACHINE SETTER	3	3	3	6	M346	I5		7339	55L04	50061003	717
616.380-014	JOB SETTER	3	3	3	5	L46	I		7329	59001	50144899	715
616.382-010	BARBED-WIRE-MACHINE OPERATOR	3	1	1	5	M36	I56		7539	59002	63000000	717
616.382-014	WIRE WEAVER, CLOTH	3	2	2	7	M456	I5		7339	55S34	61088293	717
616.460-010	NAIL-MAKING-MACHINE SETTER	3	2	3	6	M34	I56		7339	59002	63000000	717
616.482-010	SAFETY-PIN-ASSEMBLING-MACHINE OPERATOR	3	2	2	5	H346	I56		7339	59002	63000000	717
616.485-010	BENCH WORKER	2	2	2	3	L4	I5		7539	59002	63000000	717
616.485-014	SPRING COILER	2	1	1	3	M4	I5		7539	55A01	61085811	717
616.582-010	FENCE-MAKING MACHINE OPERATOR	3	2	1	4	M46	I5		7539	59002	63000000	717
616.662-010	HYDRAULIC PRESS OPERATOR	3	1	1	4	M4	I		7539	59002	63000000	717
616.681-010	WEAVER, BENCH LOOM	3	2	2	5	M46	I		6829	55S34	61088293	655
616.682-010	ARBOR-PRESS OPERATOR 1	3	1	1	3	M46	I5		7339	59002	63000000	717
616.682-018	CAGE MAKER, MACHINE	3	1	1	6	L34	B		7339	55F37	61088035	717
616.682-022	CRIMPING-MACHINE OPERATOR	3	2	2	5	L4	I		7339	59002	63000000	717
616.682-026	KICK-PRESS OPERATOR 1	3	2	2	4	L346	I56		7339	55M51	61021604	717
616.682-030	NAIL-ASSEMBLY-MACHINE OPERATOR	3	2	2	4	M4	I		7539	59002	63000000	717
616.682-034	STRANDING-MACHINE OPERATOR	3	2	2	4	M46	I5		7339	59031	61088260	717
616.685-014	CLINCHING-MACHINE OPERATOR	2	1	1	2	L4	I		7539	59003	80002899	717
616.685-018	COIL ASSEMBLER, MACHINE	2	1	1	4	M4	I5		7539	55P85	61080413	717
616.685-022	FABRIC-MACHINE OPERATOR 2	2	1	1	3	M4	I5		7539	59002	63000000	717
616.685-026	HEDDLE-MACHINE OPERATOR	2	1	1	3	M4	I		7539	59002	63000000	717

*** PROGRAM: 48.0504 METAL FABRICATION. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES CODE	FOURTH EDITION TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
616.685-030	KNITTER, WIRE MESH	2	2	2	2	M46	I5		7539	55534	61088293	717
616.685-034	METAL-SPONGE-MAKING-MACHINE OPERATOR	2	1	1	3	M4	I		7539	55534	61088293	717
616.685-042	MULTI-OPERATION-FORMING-MACHINE OPERATOR	2	1	1	2	M4	I5		7539	59003	80002899	717
616.685-054	RIVETER	2	1	1	2	L4	I5		7539	55R77	61084606	717
616.685-058	RIVETING-MACHINE OPERATOR	2	1	1	2	M4	I5		7539	55R77	61084606	717
616.685-062	SCROLL-MACHINE OPERATOR	2	1	1	2	M4	I5		7539	55590	61021611	717
616.685-070	SPIRAL SPRING WINDER	2	1	1	3	L46	I		7539	59002	63000000	717
616.685-074	SPIRAL WEAVER	2	2	2	3	L4	I5		7539	55534	61088293	717
616.685-078	SWAGER OPERATOR	2	1	1	2	L4	I5		7539	59003	80002899	717
616.687-010	STRANDING-MACHINE-OPERATOR HELPER	2	1	1	2	H4	I		8619	59003	80002899	873
616.687-014	WIRE-WEAVER HELPER	2	1	1	3	H346	I5		8619	56900	80002823	873
617.260-010	PRESS OPERATOR, HEAVY DUTY	3	2	2	7	H3456	I56		7317	55590	61021611	706
617.280-010	SHOT-PEENING OPERATOR, TAPE CONTROL	4	3	4	6	L46	I56		7326	55L02	61021403	714
617.360-014	SWAGING-MACHINE ADJUSTER	3	2	3	6	M346	I5		7317	59002	63000000	706
617.380-010	KICK PRESS SETTER	3	2	3	5	L46	I	48.0503	7317	59001	50144899	706
617.382-010	TUBE BENDER, BRASS-WIND INSTRUMENTS	3	2	2	4	M4	I5		7317	55590	61021611	706
617.480-010	JOB SETTER, SPLINE-ROLLING MACHINE	3	2	3	5	M46	I5		7316	59002	63000000	707
617.480-014	PRESS SETTER	3	2	2	5	M46	I5		7317	55599	61020411	706
617.482-010	BENDING-MACHINE OPERATOR 1	3	2	2	5	M346	I5		7317	55590	61021611	706
617.482-014	FORMING-ROLL OPERATOR 1	3	2	2	4	H46	I5		7316	59002	63000000	707
617.482-022	SPRING FORMER, MACHINE	3	2	1	4	M45	I35		7339	55590	61021611	717
617.482-026	STRAIGHTENING-PRESS OPERATOR	3	2	1	5	M346	I56		7529	55590	61021611	715
617.585-010	SWAGING-MACHINE OPERATOR	2	1	1	2	M46	I5		7539	59003	80002899	717
617.665-010	NAIL-MAKING-MACHINE TENDER	2	1	1	2	M34	I5		7539	59003	80002899	717
617.682-010	BARREL-DEDENTING-MACHINE OPERATOR	2	1	1	4	M46	I5		7529	59002	63000000	715
617.682-022	SETTER, COLD-ROLLING MACHINE	4	3	3	7	M46	I5		7316	55C54	61088286	707
617.685-010	BENDING-MACHINE OPERATOR 2	2	1	1	3	M4	I5		7529	55590	61021611	715
617.685-014	CORNER FORMER	2	1	1	3	L4	I	48.0503	7517	55590	61021611	706
617.685-022	EXPANDING MACHINE OPERATOR	2	2	2	3	M4	I		7529	59002	63000000	715
617.685-026	POWER-PRESS TENDER	2	1	1	3	L46	I5		7517	55M51	61021604	706
617.685-030	RIPPER	2	1	1	2	L4	I		7539	59003	80002899	717
617.685-034	ROLL-FORMING-MACHINE OPERATOR 2	2	1	1	2	M4	I56		7539	55C54	61088286	717
617.685-038	SINTERING-PRESS OPERATOR	2	2	2	2	L46	I5		7517	55599	61020411	706
619.260-008	ORNAMENTAL-METAL WORKER	4	3	3	8	M346	I56		7339	55C81	50062600	717
619.260-010	ORNAMENTAL-METAL-WORKER APPRENTICE	4	3	3	8	M346	I56		7339	55C81	50062600	717
619.261-010	INSPECTOR, METAL FABRICATING	4	4	4	7	L23456	I567		6881	55B58	50142202	689
619.280-010	NEEDLEMAKER	4	4	3	6	M46	I56		7339	59001	50144899	717
619.280-018	SPRING-MANUFACTURING SET-UP TECHNICIAN	4	4	4	7	L46	I		7339	59001	50144899	717
619.281-010	CASTING REPAIRER	3	3	3	6	M46	I		6179	59002	63000000	547
619.360-010	DRIVEMATIC-MACHINE OPERATOR	4	3	3	6	L46	I5		7339	59001	50144899	717
619.360-014	METAL FABRICATOR	4	4	3	7	H346	I567		7339	55B91	50144899	717
619.362-010	FLANGING-ROLL OPERATOR	3	2	2	6	M46	I56		7529	55C54	61088286	715
619.362-014	ROLL OPERATOR 1	4	3	3	7	M3456	I56	48.0506	7529	55C54	61088286	715
619.362-022	SPINNER, HYDRAULIC	4	3	3	6	H46	I5		7312	59002	63000000	703
619.364-010	INSPECTOR 1	3	3	3	6	L346	I5		7820	55B58	50142202	796
619.365-010	PRODUCTION-MACHINE TENDER	2	2	2	2	M4	I5		7529	59003	80002899	715
619.380-010	HIGH-ENERGY-FORMING WORKER	4	3	3	6	M4	I56		7339	59001	50144899	717
619.380-014	PUNCH-PRESS SETTER	3	2	3	6	M46	I56		7314	55R79	50061007	706
619.382-010	BULLET-GROOVING-SIZING-AND-LUBRICATING-M	3	2	2	4	H234	I5		7329	59002	63000000	715
619.382-018	FOUR-SLIDE-MACHINE OPERATOR 1	4	3	3	5	M46	I5		7329	55532	61088291	715

*** PROGRAM: 48.0504 METAL FABRICATION. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
619.382-022	TYPE-ROLLING-MACHINE OPERATOR	3	2	1	4	L46	I5		7329	55S32	61088291	715
619.462-010	ROLL-THREADER OPERATOR	3	2	2	5	M46	I5		7329	59002	63000000	715
619.462-014	TRIMMER OPERATOR	3	2	2	5	H46	I5		7329	59002	63000000	715
619.482-010	LATHE WINDER	3	3	2	4	L4	I5		7512	55K58	61021006	704
619.484-010	ORNAMENTAL-METAL-WORKER HELPER	2	1	1	5	M346	I563		8619	56900	80002823	873
619.485-010	SPOOL WINDER	2	1	1	2	M4	I		7529	55G51	61088229	715
619.485-014	TWISTING-MACHINE OPERATOR	2	1	1	2	M346	I5		7529	55S90	61021611	715
619.665-010	WINDING-MACHINE OPERATOR	2	1	1	2	L4	B		7529	59003	80002899	715
619.666-010	FORGE HELPER	2	1	1	2	H34	I356		8611	55S51	80002819	873
619.682-018	FISHING ACCESSORIES MAKER	3	2	2	4	L46	I5		7329	59002	63000000	715
619.682-030	HOOP MAKER, MACHINE	3	2	2	4	M346	I56		7529	59002	63000000	715
619.682-042	SEAMLESS-TUBE ROLLER	3	2	2	5	M46	I		7329	59002	63000000	715
619.684-010	FORMER HELPER, HAND	2	1	1	3	H346	I3567		8619	56900	80002823	873
619.685-010	BAND MAKER	2	1	1	2	L46	I5		7529	59003	80002899	715
619.685-014	BANDING-MACHINE OPERATOR	2	1	1	2	L4	I	48.0702	7517	59003	80002899	706
619.685-018	BANDING-MACHINE OPERATOR	2	1	1	3	M34	I		7517	59002	63000000	706
619.685-022	BOBBIN-WINDER TENDER	1	1	1	2	H46	I5		7529	55E90	61040604	715
619.685-034	DRUM STRAIGHTENER I	2	1	1	2	H346	I57		7516	55C54	61088286	707
619.685-050	FOUR-SLIDE-MACHINE OPERATOR 2	2	2	2	3	H346	I5		7529	55S32	61088291	715
619.685-054	HEAD-GAGE-UNIT OPERATOR	1	1	1	2	M4	I		7529	59003	80002899	715
619.685-058	HEEL-WASHER-STRINGING-MACHINE OPERATOR	2	1	1	2	L4	I		7529	59003	80002899	715
619.685-062	MACHINE OPERATOR 2	2	2	2	3	M46	I567		7529	55B91 55C81	50144899 50062600	715
619.685-066	METAL FABRICATOR HELPER	2	1	1	4	H234	I5		7539	56900	80002823	717
619.685-070	METALLIC-YARN-SLITTING-MACHINE OPERATOR	2	1	1	3	L46	I		7654	55R80	61081459	743
619.685-074	REPAIRER, SHOE STICKS	1	1	1	2	M4	I5		7529	59003	80002899	715
619.685-078	ROD-PULLER AND COILER	2	1	1	2	M4	I		7529	55G51	61088229	715
619.685-086	WINDING-LATHE OPERATOR	2	1	1	3	M4	I6		7512	55K58	61021006	704
619.685-090	WIRE-WINDING-MACHINE OPERATOR	2	1	1	2	H4	I		7529	55G51	61088229	715
619.686-022	METAL-FABRICATING-SHOP HELPER	2	1	1	2	H346	I56		8611	56900	80002823	873
630.384-010	FIXTURE REPAIRER-FABRICATOR	3	2	2	5	M46	I57		6130	51043	50081807	518
692.682-014	BEAD-FORMING-MACHINE OPERATOR	3	2	2	4	M46	I		7479	59002	63000000	777
692.682-062	STRING-WINDING-MACHINE OPERATOR	3	2	2	5	L46	I		7679	59002	63000000	777
692.685-034	BUCKLE-FRAME SHAPER	2	1	2	3	L4	I		7663	59002	63000000	755
692.685-206	STOP ATTACHER	2	1	2	2	L4	I		7539	55E22	61080440	717
699.482-010	RIVETING-MACHINE OPERATOR 1	3	2	3	5	M346	I		7339	55R77	61084606	717
703.684-014	CUPBOARD BUILDER	3	1	2	4	L4	I	48.0506	7720	55E22	61080440	785
703.687-018	METAL-FINISH INSPECTOR	3	1	2	4	L4	I		7820	55B58	50142202	796
705.684-046	NEEDLE POLISHER	2	1	1	3	M46	I		7758	55B19	61082401	794
705.687-018	METAL SANDER AND FINISHER	2	1	1	3	L4	I		7758	55B19	61082401	794
706.381-014	BENCH HAND	3	2	3	6	M46	I		6829	59002	63000000	655
706.381-026	OPERATING-TABLE ASSEMBLER	4	3	3	6	M46	I		6812	59002	63000000	636
706.684-034	BAR AND FILLER ASSEMBLER	2	1	2	2	L4	I		7720	55E22	61080440	785
706.684-050	DRAWER UPFITTER	2	1	1	4	M4	I		7720	55E22	61080440	785
706.684-054	FITTER 2	2	1	2	5	H346	I56		7529	55S31	50144899	715
706.684-058	HYDRAULIC-CHAIR ASSEMBLER	3	2	2	5	L46	I		7720	55E22	61080440	785
706.684-070	LOCK ASSEMBLER	3	2	2	6	M46	I	47.0403	7720	55E22	61080440	785
706.684-078	LOCK INSTALLER	2	1	1	3	L4	I	47.0403	7720	55E22	61080440	785
706.684-082	METAL-BED ASSEMBLER	2	1	2	3	M34	I		7720	55E22	61080440	785
706.684-090	SPRING ASSEMBLER	2	1	1	4	H4	I		7720	55E22	61080440	785

*** PROGRAM: 48.0504 METAL FABRICATION. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
706.684-102	VENDING-MACHINE ASSEMBLER	2	1	2	2	L46	I5		7720	55E22	61080440	785
706.684-110	WRAPPER OPERATOR	2	2	2	2	M34	I35		7755	59003	80002899	787
709.381-034	PATTERNMAKER	4	3	3	7	L46	I	48.0505	6856	59001	50144899	673
709.381-038	REED MAKER	3	2	2	6	M4	I		6859	59001	50144899	674
709.381-042	SPRING FORMER, HAND	3	2	2	7	M4	I356		6829	59001	50144899	655
709.381-046	WIRE-MESH-FILTER FABRICATOR	4	3	3	6	L46	I		6829	59002	63000000	655
709.667-010	FABRIC STRETCHER	2	1	1	3	L4	I		7720	55E22	61080440	785
709.684-010	ADJUSTER	2	2	2	3	M4	I		7755	59002	63000000	787
709.684-014	ASSEMBLER, METAL FURNITURE	2	2	2	2	M346	I5		7720	55E22	61080440	785
709.684-018	ASSEMBLY-LINE INSPECTOR	3	2	2	4	L46	I		7820	55B58	50142202	796
709.684-026	BIRD-CAGE ASSEMBLER	2	1	1	4	L4	I		7720	55E22	61080440	785
709.684-030	CAGE MAKER	3	1	2	5	M346	I6		7539	55F37	61088035	717
709.684-038	CLIP-BOLTER AND WRAPPER	2	2	1	3	M4	I5	48.0503	7720	59002	63000000	785
709.684-062	REPAIRER	3	1	2	5	L346	I		6130	55D46	61022002	518
709.684-066	RIVETER, HAND	2	1	1	2	M46	I5		7720	55R77	61084606	785
709.684-074	SHEARER AND TRIMMER, WIRE SCREEN AND FAB	2	1	2	3	M46	I		7529	59002	63000000	715
709.684-078	SPRING FITTER	3	2	2	5	M34	I5		7720	55E22	61080440	785
709.684-098	WIRE-FRAME-LAMP-SHADE MAKER	3	2	3	5	L4	I		7529	59002	63000000	715
709.684-102	WIRE-ROPE-SLING MAKER	3	1	2	5	M4	I		7529	59002	63000000	715
709.687-026	INSPECTOR, WIRE PRODUCTS	2	1	2	3	L46	I		7820	55B58	50142202	796
709.687-038	SPRING INSPECTOR 2	2	2	2	2	L46	I5		7820	55B58	50142202	796
709.687-042	SPRING TESTER 2	2	1	2	2	L4	I		7830	55Q57	50142205	797
709.687-062	WIRE-BASKET MAKER	2	1	1	2	M4	I		7740	59003	80002899	785
710.361-010	MODEL MAKER, SCALE	4	3	3	7	L46	I	47.0401	6817	59001	50144899	645
734.481-010	WIRE-FRAME MAKER	2	2	2	3	L46	I		6829	59002	63000000	655
734.687-062	INSPECTOR, SLIDE FASTENERS	3	2	2	4	L46	I5		7820	55B58	50142202	796
739.684-154	TICKET-CHOPPER ASSEMBLER	2	1	2	5	M46	I		7720	55E22	61080440	785
739.687-034	BEADER	1	1	1	2	M34	I		7720	59003	80002899	785
800.662-010	RIVETER, HYDRAULIC	3	1	1	5	M2456	I56		7529	55R76	61084605	715
800.682-010	RIVETER, PORTABLE PINCH	3	1	1	4	M246	I56		7529	55R76	61084605	715
800.684-010	RIVETER	3	1	1	4	M346	I56		7529	55R76	61084605	715
800.684-014	RIVETER, PNEUMATIC	3	1	1	4	H2346	B56		7529	55R76	61084605	715
800.687-010	RIVETER HELPER	2	1	1	3	H2346	I56		8611	59002	63000000	873
801.261-014	FITTER 1	4	4	2	7	H23456	I567		6812	55S31	50144899	636
801.381-014	FITTER	3	3	2	7	M4	I		6812	55S31	50144899	636
801.687-014	FITTER HELPER	2	1	1	3	H2345	I567		8619	56900	80002823	873
806.361-018	FINAL INSPECTOR, TRUCK TRAILER	4	3	4	8	L346	I		6881	55B58	50142202	689
806.381-058	TRAILER ASSEMBLER	3	2	2	5	M346	I5		6812	55E22	61080440	636
806.682-010	METAL-BONDING PRESS OPERATOR	3	2	2	5	M4	I		7339	59002	63000000	717
806.684-082	MECHANICAL ASSEMBLER	3	2	2	4	M34	I		7720	55E22	61080440	785
806.684-098	ORDNANCE TRUCK INSTALLATION MECHANIC	3	2	1	3	M346	I		8632	55E22	61080440	864
809.261-010	ASSEMBLER, GROUND SUPPORT EQUIPMENT	4	3	3	7	M456	I5		6869	55E22	61080440	684
809.381-010	FABRICATOR-ASSEMBLER, METAL PRODUCTS	3	2	2	5	M346	I567		6829	55E22	61080440	655
809.381-014	LAY-OUT WORKER 2	3	3	2	5	M346	I5		6821	55C95	50023800	646
809.484-010	AWNING-FRAME MAKER	3	2	1	5	M346	B		7720	55E22	61080440	785

*** PROGRAM: 48.0504 METAL FABRICATION. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
809.484-014	TEMPLATE MAKER, TRACK	3	2	1	3	L46	I6		7720	59002	63000000	785
809.681-010	ASSEMBLER, UNIT	3	2	2	4	M346	I56		7720	55E22	61080440	785
809.684-010	ASSEMBLER, PRODUCTION LINE	2	1	1	3	M346	I5		7720	55E22	61080440	785
809.684-014	CASKET ASSEMBLER, METAL	3	1	1	4	M346	I		7720	55E22	61080440	785
809.687-018	INSPECTOR AND TESTER	2	1	2	3	L46	I		7820	55B58	50142202	796
869.684-074	UTILITY WORKER	3	2	2	5	M2346	I5	48.0503 48.0703	7720	59002	63000000	785

PROGRAM: 48.0505 METAL PATTERNMAKING. AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO FIT, ASSEMBLE, AND HANDFINISH CASTINGS AND PARTS IN THE MANUFACTURE OF METAL-FOUNDRY PATTERNS, ACCORDING TO SPECIFICATIONS AND PATTERNMAKING METHODS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
600.260-010	ENGINEERING MODEL MAKER	4	4	3	8	M46	I5	48.0503	7329	55K21	50063000	715
600.260-018	MODEL MAKER, FIREARMS	4	4	3	8	M456	I5	48.0503	7329	55B84	50061206	715
600.280-046	PATTERNMAKER APPRENTICE, METAL	4	4	3	8	M46	I		6817	55M09	50062203	645
600.280-050	PATTERNMAKER, METAL	4	4	3	8	M46	I		6817	55M09	50062203	645
600.280-054	SAMPLE MAKER, APPLIANCES	4	3	3	8	L46	I6		6817	59001	50144899	645
601.381-038	TEMPLATE MAKER	4	3	3	7	M46	I5		6817	59001	50144899	645
693.281-014	PATTERNMAKER	4	3	3	7	M4	I35		6817	55M09	50062203	645
693.281-018	PATTERNMAKER, METAL, BENCH	4	3	4	8	M46	I5		6817	55M09	50062203	645
693.281-022	PATTERNMAKER, SAMPLE	4	4	4	7	L46	I		6817	55M09	50062203	645
693.361-010	MODEL MAKER	4	3	4	7	M46	I56		6817	25452	10243899	645
693.381-010	AIRCRAFT LAY-OUT WORKER	4	3	4	7	L346	I		6821	59001	50144899	646
693.381-014	MOCK-UP BUILDER	4	3	4	7	L346	I5		6817	59001	50144899	645
693.381-018	MOCK-UP BUILDER	4	3	4	7	L346	I5		6862	59001	50144899	676
693.381-022	MOLDER, PATTERN	4	3	3	7	M456	I5		6861	55L62	50061806	675
693.382-010	LAST-PATTERN GRADER	4	3	3	7	M46	I		7678	55M09	50062203	769
703.381-010	PATTERNMAKER	4	3	3	7	L46	I		6862	55M12	50062206	676
709.381-018	MODEL MAKER	4	3	3	7	L46	I	48.0602	6822	59001	50144899	647
709.381-022	MODEL-MAKER APPRENTICE	4	3	3	7	L46	I	48.0602	6822	59001	50144899	647
709.381-026	MOLD STAMPER AND REPAIRER	3	2	2	6	H346	I6		6861	51900	50083299	675
709.381-034	PATTERNMAKER	4	3	3	7	L46	I	48.0504	6856	59001	50144899	673
801.684-014	PATTERN GATER	2	1	1	4	M46	I		7759	59002	63000000	795

PROGRAM: 48.0506 SHEET METAL.
------------ AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO LAY OUT, FABRICATE, ERECT OR INSTALL, AND MAINTAIN ITEMS MADE OF STEEL, COPPER, STAINLESS STEEL, AND ALUMINUM USING HAND TOOLS AND MACHINES SUCH AS CORNICE BRAKES, FORMING ROLLS, AND SQUARING SHEARS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
615.380-010	SHEAR SETTER	4	3	4	6	M4	I56		7314	55R81	50061008	706
615.482-014	DUPLICATOR-PUNCH OPERATOR	4	3	3	5	H346	I56		7314	55R78	61021609	706
615.482-022	PUNCH-PRESS OPERATOR 1	3	2	1	5	H46	I56	48.0504	7314	55R78	61021609	706
615.482-026	PUNCH-PRESS OPERATOR, AUTOMATIC	3	3	2	5	H46	I56	48.0504	7314	55R78	61021609	706
615.482-030	ROTARY-SHEAR OPERATOR	3	2	2	4	H346	I56		7514	55R80	61081459	706
615.482-034	SHEAR OPERATOR 1	3	2	2	4	H46	I567		7314	55R80	61081459	706
615.482-038	TURRET-PUNCH-PRESS OPERATOR	4	3	3	5	H346	I56		7514	55R78	61021609	706
615.662-010	SLITTING-MACHINE OPERATOR 2	3	2	2	5	M46	I56		7314	55R80	61081459	706
615.682-010	FLYING-SHEAR OPERATOR	3	3	2	5	M45	I356		7314	55R80	61081459	706
615.682-014	PUNCH-PRESS OPERATOR 3	3	2	2	4	H46	I567	48.0504	7514	55R78	61021609	706
615.685-026	NIBBLER OPERATOR	2	2	2	3	M46	I56		7514	55R80	61081459	706
615.685-030	PUNCH-PRESS OPERATOR 2	2	1	1	3	H4	I56	48.0504	7514	55R78	61021609	706
615.685-034	SHEAR OPERATOR 2	2	2	2	3	H4	I567		7514	55R80	61081459	706
615.685-038	STRIP-METAL-PUNCH-AND-STRAIGHTENER OPERA	2	1	1	3	M4	I	48.0504	7514	55R78	61021609	706
615.685-042	TURRET-PUNCH-PRESS OPERATOR, TAPE-CONTRO	2	2	2	3	H46	I56		7514	55R78	61021609	706
617.360-010	BRAKE OPERATOR 1	3	2	3	6	H346	I56		7317	55590	61021611	706
617.482-018	ROLL-FORMING-MACHINE OPERATOR 1	3	3	3	5	M46	I56		7316	55C54	61088286	707
617.682-014	BUMPER OPERATOR	3	2	1	5	M46	I56		7529	59002	63000000	715
617.685-018	EMBOSSING-MACHINE OPERATOR	2	2	2	4	M4	I		7539	59002	63000000	717
619.362-014	ROLL OPERATOR 1	4	3	3	7	M3456	I56	48.0504	7529	55C54	61088286	715
619.582-010	STRETCHER-LEVELER OPERATOR	3	2	2	5	M46	I6		7529	55033	61088261	715
619.685-026	BRAKE OPERATOR 2	3	2	2	4	M46	I5		7517	55590	61021611	706
619.685-030	COIL-REWIND-MACHINE OPERATOR	2	1	1	2	M46	I6		7529	55051	61088229	715
619.685-046	FORMING-ROLL OPERATOR 2	2	1	1	3	H34	I5		7529	55C54	61088286	715
619.685-082	SPINNING-LATHE OPERATOR, AUTOMATIC	2	1	1	2	L4	I5		7512	55K58	61021006	704
619.686-030	STRETCHER-LEVELER-OPERATOR HELPER	2	1	1	2	M4	I		8611	59003	80002899	873
619.687-014	MACHINE HELPER	2	1	1	3	H346	I56		8611	56900	80002823	873
703.684-010	BENCH-SHEAR OPERATOR	3	1	2	5	M46	I		7529	59002	63000000	715
703.684-014	CUPBOARD BUILDER	3	1	2	4	L4	I	48.0504	7720	55E22	61080440	785
703.684-018	TEMPLATE CUTTER	2	2	2	2	L46	I		7753	59003	80002899	786
703.685-010	PAIL BAILER	3	1	2	3	L4	I5		7740	55E22	61080440	785
703.685-014	TESTING-MACHINE OPERATOR	2	1	1	2	L4	I5		7830	55057	50142205	797
703.687-010	ASSORTER	3	2	2	4	L46	I		7820	55B58	50142202	796
703.687-014	METAL-FINISH INSPECTOR	3	2	2	5	L46	I		7820	55B58	50142202	796
709.367-010	INSPECTOR, METAL CAN	4	3	3	5	L46	I5		7820	55B58	50142202	796
709.587-014	SPOILAGE WORKER	2	1	2	4	L46	I		7820	55B58	50142202	796
709.686-010	LABORER, TIN CAN	2	1	1	2	H34	I		8769	59003	80002899	889
730.684-074	SHEET-METAL-PATTERN CUTTER	2	2	1	3	L46	I	47.0404	7529	59002	63000000	715
804.281-010	SHEET-METAL WORKER	4	4	3	7	M2346	B56		6824	55C81	50062600	653
804.281-014	SHEET-METAL-WORKER APPRENTICE	4	4	3	7	M2346	B56		6824	55C81	50062600	654
804.481-010	HOOD MAKER	4	3	3	5	M346	I6		7529	59002	63000000	715
804.684-010	CUTTER, ALUMINUM SHEET	2	1	1	2	M346	I5	49.0306	7529	59003	80002899	715
804.684-018	ROUTER OPERATOR, PORTABLE	3	1	1	4	M346	I5		7753	59002	63000000	786
806.381-054	SKIN FITTER	3	2	2	7	M46	I5		6829	55C81	50062600	655
816.482-010	THERMAL-CUTTING-MACHINE OPERATOR	3	3	3	5	M46	I567	48.0508	7339	55D46	61022002	717

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PROGRAM: 48.0507 TOOL AND DIE MAKING. AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ANALYZE SPECIFICATIONS AND TO LAY OUT METAL STOCK, SET UP AND OPERATE MACHINE TOOLS TO FIT, AND ASSEMBLE PARTS FOR THE MANUFACTURE AND REPAIR OF METALWORKING DIES, CUTTING TOOLS, FIXTURES, GAUGES, AND MACHINISTS' HAND TOOLS. INCLUDES INSTRUCTION IN METAL PROPERTIES AND IN THE APPLICATIONS AND CONSTRUCTION OF TOOL AND DIE DESIGNS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
601.280-010	DIE MAKER, STAMPING	4	4	4	8	M46	I5		6811	55D23	50063001	634
601.280-014	DIE MAKER, TRIM	4	4	3	7	M46	I5		6811	55D23	50063001	634
601.280-018	DIE MAKER, WIRE DRAWING	4	4	3	7	M46	I		6811	55D23	50063001	634
601.280-022	DIE SINKER	4	3	3	7	M46	I5		6811	55H70	50063003	634
601.280-030	MOLD MAKER, DIE-CASTING AND PLASTIC MOLD	4	3	3	7	H346	I5		6811	55D23	50063001	634
601.280-034	TAP-AND-DIE-MAKER TECHNICIAN	4	3	3	8	L46	I		6811	55D23	50063001	634
601.280-038	TEMPLATE MAKER, EXTRUSION DIE	4	4	4	7	M46	I		6817	55D23	50063001	645
601.280-042	TOOL MAKER	4	3	3	7	M346	I5		6811	55D23	50063001	634
601.280-046	TOOL-AND-DIE MAKER	4	4	4	7	M46	I5		6811	55D23	50063001	634
601.280-050	TOOL-AND-DIE-MAKER APPRENTICE	4	4	4	7	M46	I5		6811	55D23	50063001	635
601.280-054	TOOL-MACHINE SET-UP OPERATOR	4	4	3	7	M46	I	48.0503	7329	55L01	61021402	715
601.280-058	TOOL-MAKER APPRENTICE	4	3	3	7	M346	I5		6811	55D23	50063001	635
601.281-010	DIE MAKER, BENCH, STAMPING	4	4	4	7	M46	I5		6811	55D23	50063001	634
601.281-014	DIE-TRY-OUT WORKER, STAMPING	4	3	3	7	H346	I56		6811	55D23	50063001	634
601.281-018	INSPECTOR, GAGE AND INSTRUMENT	4	4	3	7	M46	I	48.0503	6881	55B58	50142202	689
601.281-022	INSPECTOR, TOOL	4	3	3	8	M46	I5		6881	55B58	50142202	689
601.281-026	TOOL MAKER, BENCH	4	3	3	7	M46	I		6811	55D23	50063001	634
601.381-010	DIE FINISHER	4	3	3	7	M46	I5		6811	55D23	50063001	634
601.381-014	DIE MAKER	4	3	3	7	M46	I		6811	55D23	50063001	634
601.381-018	DIE POLISHER	3	3	2	6	L46	I		6811	55H68	61082403	634
601.381-022	DIE-MAKER APPRENTICE	4	3	3	7	M46	I		6811	55D23	50063001	635
601.381-026	PLASTIC TOOL MAKER	4	3	3	7	M46	I		6811	55D23	50063001	634
601.482-010	PROFILF-GRINDER TECHNICIAN	3	3	3	6	L46	I7	48.0503	7322	55J63	61020600	709
612.360-010	DIE SETTER	4	3	3	7	M346	I56		7319	55H69	50061002	713
701.684-014	INSPECTOR, OPEN DIE	3	2	2	4	L46	I5		7820	55B58	50142202	796
705.484-010	FILER, HAND, TOOL	3	2	2	6	M46	I	48.0503	7758	55B19	61082401	794
705.684-038	MOLD FINISHER	3	2	2	5	M46	I	48.0503	7755	55B19	61082401	787
710.360-010	SCALE ASSEMBLY SET-UP WORKER	4	4	3	7	L456	I	47.0401	7329	59001	50144899	715
739.381-018	DIE MAKER	4	3	3	8	M46	I5		6811	55H66	50063001	634
739.381-022	DIE-MAKER APPRENTICE	4	3	3	8	M46	I5		6811	55H66	50063001	635

PROGRAM: 48.0508 WELDING, BRAZING, AND SOLDERING.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO USE GASES AND/OR WELDING PROCESSES AND TO BRAZE AND SOLDER METAL PARTS ACCORDING TO DIAGRAMS, BLUEPRINTS, OR WRITTEN SPECIFICATIONS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
626.381-014	GAS-WELDING-EQUIPMENT MECHANIC	3	3	3	7	L4	I5		6130	51043	50081807	518
709.684-086	TORCH-STRAIGHTENER-AND HEATER	3	2	2	4	H346	I3567		7714	55D46	61022002	783
715.685-058	SOLDERER	2	1	1	2	L46	I	47.0408	7533	55D46	61022002	784
727.684-022	LEAD BURNER	2	1	2	3	L46	I567		7714	55D46	61022002	783
727.687-070	LEAD-BURNER HELPER	2	1	2	2	M46	I		8614	59003	80002899	873
736.684-038	SOLDERER, BARREL RIBS	2	1	1	3	L4	I	47.0402	7717	55D46	61022002	784
810.382-010	WELDING-MACHINE OPERATOR, ARC	4	4	3	6	M46	I56		7332	55D46	61022002	783
810.384-010	WELDER APPRENTICE, ARC	4	4	3	5	H346	B56		7714	55D46	61022002	783
810.384-014	WELDER, ARC	4	4	3	5	H346	B56		7714	55D46	61022002	783
810.664-010	WELDER, GUN	2	2	2	2	M46	I56		7714	55D46	61022002	783
810.684-010	WELDER, TACK	3	2	2	5	H346	B567		7714	55D46	61022002	783
811.482-010	WELDING-MACHINE OPERATOR, GAS	3	3	2	6	M346	I567		7332	55D46	61022002	783
811.684-010	WELDER APPRENTICE, GAS	3	3	3	4	M346	B567		7714	55D46	61022002	783
811.684-014	WELDER, GAS	3	3	3	5	M346	B567		7714	55D46	61022002	783
812.360-010	WELDER SETTER, RESISTANCE MACHINE	4	4	3	7	M3456	I56		7332	55D46	61022002	783
812.682-010	WELDING-MACHINE OPERATOR, RESISTANCE	4	4	3	6	M456	I5		7332	55D46	61022002	783
813.360-010	BRAZING-MACHINE SETTER	4	4	3	7	M3456	I67		7333	55D46	61022002	784
813.360-014	SETTER, INDUCTION-HEATING EQUIPMENT	3	3	3	5	L45	I		7333	55D46	61022002	784
813.382-010	BRAZER, INDUCTION	3	3	2	5	M46	I67		7333	55D46	61022002	784
813.382-014	BRAZING-MACHINE OPERATOR	3	3	2	5	M346	I367		7333	55D46	61022002	784
813.482-010	BRAZER, FURNACE	3	2	3	4	M46	I36		7533	55D46	61022002	784
813.682-010	BRAZER, RESISTANCE	3	2	2	4	H46	I6		7717	55D46	61022002	784
813.684-010	BRAZER, ASSEMBLER	4	3	3	5	M346	I67		7714	55D46	61022002	783
813.684-014	SOLDERER-ASSEMBLER	3	2	3	4	M46	I67		7720	55D46	61022002	785
813.684-018	SOLDERER-DIPPER	2	2	2	2	L46	I67		7717	55D46	61022002	784
813.684-022	SOLDERER, PRODUCTION LINE	2	2	2	2	L46	I67		7717	55D46	61022002	784
813.684-026	SOLDERER, TORCH 1	2	2	2	2	L46	I56		7717	55D46	61022002	784
813.684-030	SOLDERER, ULTRASONIC, HAND	2	2	2	3	L46	I		7717	55D46	61022002	784
813.685-010	BRAZER, CONTROLLED ATMOSPHERIC FURNACE	3	2	3	4	L46	I5		7533	55D46	61022002	784
814.382-010	WELDING-MACHINE OPERATOR, FRICTION	3	3	2	5	L46	I		7532	55D46	61022002	783
814.682-010	WELDING-MACHINE OPERATOR, ULTRASONIC	3	3	3	4	M46	I		7532	55D46	61022002	783
814.684-010	WELDER, EXPLOSION	3	3	2	5	M46	I6		7532	55D46	61022002	783
815.380-010	WELDER SETTER, ELECTRON-BEAM MACHINE	4	3	3	6	L4	I		7332	55D46	61022002	783
815.382-010	WELDING-MACHINE OPERATOR, ELECTRON BEAM	4	3	3	6	M346	I6		7332	55D46	61022002	783
815.382-014	WELDING-MACHINE OPERATOR, ELECTROSLAG	3	3	3	4	H456	I567		7532	55D46	61022002	783
815.682-010	LASER-BEAM-MACHINE OPERATOR	3	3	3	4	L46	I		7532	55D46	61022002	783
815.682-014	WELDING-MACHINE OPERATOR, THERMIT	3	3	3	3	M46	I56		7532	55D46	61022002	783
816.364-010	ARC CUTTER	3	3	3	5	M346	I567		7714	55D46	61022002	783
816.464-010	THERMAL CUTTER, HAND 1	3	3	3	5	H3456	B567		7714	55D46	61022002	783
816.482-010	THERMAL-CUTTING-MACHINE OPERATOR	3	3	3	5	M46	I567	48.0506	7339	55D46	61022002	717
816.684-010	THERMAL CUTTER, HAND 2	2	1	1	2	H2346	B567		7714	55D46	61022002	783
819.281-010	LEAD BURNER	4	3	3	7	M346	B67		7714	55D46	61022002	783
819.281-014	LEAD-BURNER APPRENTICE	4	3	3	7	M346	B67		7714	55D46	61022002	783
819.281-018	WELD INSPECTOR 1	4	4	3	7	M23456	B567	15.0610 15.0702	6881	55B58	50142202	689
819.361-010	WELDER-FITTER	4	3	3	7	M246	B56		7714	55D46	61022002	783

*** PROGRAM: 48.0508 WELDING, BRAZING, AND SOLDERING. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
819.361-014	WELDER-FITTER APPRENTICE	4	3	3	7	M3456	B56		7714	55D46	61022002	783
819.381-010	WELDER-ASSEMBLER	3	3	2	6	M346	I56		7714	55D46	61022002	783
819.384-008	WELDER APPRENTICE, COMBINATION	4	3	3	6	M346	B36		7714	55D46	61022002	783
819.384-010	WELDER, COMBINATION	4	3	3	6	M2346	B36		7714	55D46	61022002	783
819.666-010	MACHINE HELPER	2	1	2	2	H34	I567		8620	59003	80002899	873
819.684-010	WELDER, PRODUCTION LINE	2	2	2	2	M46	I56		7714	55D46	61022002	783
819.685-010	WELDING-MACHINE TENDER	2	1	1	3	M46	I		7533	55D46	61022002	784
819.686-010	MACHINE FEEDER	2	1	1	2	L34	I3567		8725	59003	80002899	878
819.687-010	WELD INSPECTOR 2	3	2	2	4	L46	I5		7830	55Q57	50142205	797
819.687-014	WELDER HELPER	2	1	1	2	H345	B567	01.0203	8620	59003	80002899	873
869.367-018	PIPE-LINE-CONSTRUCTION INSPECTOR	4	3	3	8	L456	05	46.0403	7820	55B58	50142202	796

PROGRAM: 48.0599 PRECISION METAL WORK, OTHER.

ANY INSTRUCTIONAL PROGRAM IN PRECISION METAL WORK NOT DESCRIBED ABOVE.

PROGRAM: 48.0600 PRECISION WORK, ASSORTED MATERIALS.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO PRODUCE PRECISION GOODS IN A VARIETY OF MATERIALS INCLUDING CERAMICS, PRECIOUS STONES AND METALS, GLASS, AND PLASTICS.

PROGRAM: 48.0601 INDUSTRIAL CERAMICS MANUFACTURING.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ENGAGE IN MANUFACTURING ACTIVITIES TO PRODUCE CERAMIC MACHINE TOOLS; REFRACTORIES FOR SPACE VEHICLES; AND BRICK, GLASS, CROCKERY, TILE, PIPE, AND OTHER ARTICLES MADE FROM CLAY AND SILICAS. INCLUDES INSTRUCTION IN TESTING PHYSICAL, CHEMICAL, AND HEAT-RESISTING PROPERTIES OF MATERIALS, AND IN PROCESSING, FORMING, AND FIRING CLAYS TO DEVELOP CERAMIC PRODUCTS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
518.484-010	PLASTER MOLDER 2	3	1	2	4	M46	I	48.0502	7754	55L57	50061804	787
519.687-030	MACHINE-CASTINGS PLASTERER	2	1	1	2	L4	I	48.0502	7754	55S09	63000000	787
556.484-010	SCAGLIOLA MECHANIC	2	2	1	5	H4	I		7754	59002	63000000	787
570.382-010	MILL OPERATOR	3	2	1	5	M4	I57		7664	57021	61088071	756
570.482-010	CLAY MAKER	3	2	2	5	H4	I46		7664	57006	61083845	756
570.485-014	GLAZE MAKER	3	2	1	4	H46	I		7669	55S04	61083854	759
570.665-010	DRY-PAN OPERATOR	2	2	1	4	M234	I567		7677	55S98	61083646	768
570.683-010	DRY-PAN CHARGER	3	2	2	5	M246	057		7759	59002	63000000	795
570.685-014	CLAY MIXER	2	1	1	2	H4	I5		7664	59003	80002899	756
570.685-026	CULLET CRUSHER-AND-WASHER	2	2	1	2	M4	I57		7677	59003	80002899	768
570.685-074	PUG-MILL-OPERATOR HELPER	2	1	1	2	V4	I4		7664	59003	80002899	756
570.685-086	SAGGER PREPARER	2	1	1	3	M4	I		7677	55S98	61083646	768
570.687-010	BATCH MIXER	2	1	1	2	H4	I57		8725	55S04	61083854	878
571.685-014	GLAZE HANDLER	2	1	1	4	M4	I		7666	55N78	63000000	757
572.360-010	FURNACE-COMBUSTION ANALYST	4	3	3	6	L46	I35		6881	55J12	61085611	689

*** PROGRAM: 48.0601 INDUSTRIAL CERAMICS MANUFACTURING. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
572.382-010	BATCH-AND-FURNACE OPERATOR	4	3	3	7	L46	I36		6960	55V11	61085619	699
572.685-010	GLASS-FURNACE TENDER	2	1	1	2	H34	I		7675	59003	80002899	766
573.362-010	DRY-KILN OPERATOR	3	2	1	5	M46	I4		7675	55K41	61085614	766
573.382-014	SPRAY-DRIER OPERATOR	3	2	1	4	L4	I5		7675	55S38	61087294	766
573.382-018	TUNNEL-KILN OPERATOR	3	2	2	5	M46	I3		7675	55V11	61085619	766
573.585-010	OVEN TENDER	2	2	2	2	M46	I35		7675	59003	80002899	766
573.662-010	FIRER, KILN	4	3	2	5	M46	I3		7675	55V11	61085619	766
573.667-010	KILN DRAWER	2	1	1	2	M4	I		8769	55N97	80002812	889
573.682-010	KILN BURNER	3	2	2	5	M34	O36		7675	55V11	61085619	766
573.683-010	STEAM-TANK OPERATOR	2	2	2	4	M46	I5		7675	59002	63000000	766
573.684-010	KILN-DOOR BUILDER	2	1	1	3	M234	O		6479	55C46	50020606	599
573.684-014	SETTER	2	2	1	4	H234	I		7759	55N97	80002812	795
573.685-010	ANNEALER	3	1	1	3	L346	I3		7675	55V11	61085619	766
573.685-014	CLAY ROASTER	3	2	2	4	M4	I		7675	55V11	61085619	766
573.685-018	GLAZING-MACHINE OPERATOR	2	1	1	2	L4	I3		7669	59003	80002899	759
573.685-026	LEHR TENDER	2	1	1	3	M4	I3		7675	55V11	61085619	766
573.686-018	GLASS-VIAL-BENDING-CONVEYOR FEEDER	2	1	1	2	L34	I3		8725	59003	80002899	878
573.686-022	HACKER	1	1	1	2	M34	I		8725	59003	80002899	878
573.686-026	KILN PLACER	2	1	1	2	M4	I		8725	55N97	80002812	878
573.687-010	BEDDER	2	1	1	3	M4	I		7740	55N97	80002812	785
573.687-022	KILN WORKER	1	1	1	2	M34	I		8769	59003	80002899	889
573.687-026	KILN-BURNER HELPER	2	1	1	3	M34	B36		8618	59002	63000000	873
573.687-030	SETTER HELPER	1	1	1	2	H4	I		8726	59003	80002899	883
573.687-034	SORTER	2	2	2	3	L346	I		7850	55P62	61060404	799
573.687-038	TILE SORTER	2	1	2	3	L46	I		7850	55P62	61060404	799
574.367-010	TILE SHADER	3	2	2	5	L456	I5		7850	59001	50144899	799
574.582-010	SILVERING APPLICATOR	3	2	2	5	M46	I5		7479	55R68	61084210	777
574.682-014	SPRAY-MACHINE OPERATOR	3	2	1	5	M46	I5		7479	55P82	61088023	777
574.684-018	SLIDE PROCESSOR	3	1	1	3	L46	I		7720	59002	63000000	785
574.686-010	SPRAY-MACHINE LOADER	2	1	1	2	L4	I		8725	59003	80002899	878
575.360-010	GLASS-BULB-MACHINE ADJUSTER	4	3	3	6	M46	I3		7663	59002	63000000	755
575.362-010	DRAWING-KILN OPERATOR	3	2	2	3	L456	I		7663	55V11	61085619	755
575.362-014	GLASS-RIBBON-MACHINE OPERATOR	4	3	3	7	L46	I3		7663	55I98	50144822	755
575.365-010	GLASS-RIBBON-MACHINE-OPERATOR ASSISTANT	3	2	3	6	L46	I34		7663	55I98	50144822	755
575.380-010	FORMING-MACHINE UPKEEP MECHANIC	4	3	3	7	M234	I356		7463	55I98	50144822	755
575.382-010	BRICK-AND-TILE-MAKING-MACHINE OPERATOR	3	2	2	5	M46	I5		7463	55F15	61088058	755
575.382-014	FORMING-MACHINE OPERATOR	3	3	2	7	M4	I356		7463	55I97	61088012	755
575.382-018	GLASS-BULB-MACHINE FORMER, TUBULAR STOCK	3	2	3	5	M46	I3		7663	55I98	50144822	755
575.382-022	GLASS-ROLLING-MACHINE OPERATOR	3	2	3	6	L46	I35		7463	55V11	61085619	755
575.382-026	RETORT-OR-CONDENSER PRESS OPERATOR	3	1	1	4	L4	I		7463	55R58	61088026	755
575.462-010	AUGER PRESS OPERATOR, MANUAL CONTROL	3	2	2	6	L46	I		7663	55R58	61088026	755
575.662-010	DRY-PRESS OPERATOR	3	2	2	5	M34	I57		7663	55R58	61088026	755
575.662-014	YARDAGE-CONTROL OPERATOR, FORMING	3	3	3	5	L46	I35		7663	59002	63000000	755
575.664-010	CENTRIFUGAL SPINNER	2	1	1	2	M34	O45		7679	55G63	61088814	777
575.665-014	DIE TRIPPER	2	2	1	2	M4	I		7663	59003	80002899	755
575.682-014	MOLDING-MACHINE OPERATOR	3	1	1	4	M4	I		7663	55L63	61088002	755
575.682-018	PRESS OPERATOR	3	2	2	4	M46	I5		7663	55R58	61088026	755
575.682-022	RAM-PRESS OPERATOR	3	2	1	5	M46	I		7463	55R58	61088026	755
575.684-010	BATTER-OUT	2	1	2	4	M4	I45		7755	59002	63000000	787
575.684-014	CASTER	3	1	1	5	M46	I4		7754	55F73	61088810	787
575.684-018	CASTER	2	1	1	4	H4	I4		7754	55F73	61088810	787

*** PROGRAM: 48.0601 INDUSTRIAL CERAMICS MANUFACTURING. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
575.684-022	CROSSCUTTER, ROLLED GLASS	2	1	2	2	L46	I56		7753	59003	80002899	786
575.684-026	GATHERER	2	1	2	5	M346	I35		7755	55J27	61088820	787
575.684-030	HANDLE MAKER	2	1	1	3	M4	I4		7754	55T87	61088804	787
575.684-038	MOLD MAKER, TERRA COTTA	2	1	1	3	M4	I		7753	55V10	50062209	786
575.684-042	MOLDER, HAND	3	1	1	3	H46	I4		7754	55L55	61088828	787
575.684-046	TERRAZZO-TILE MAKER	2	1	1	3	M46	I4		7754	59002	63000000	787
575.685-026	DIE PRESSER	3	2	1	3	L4	I		7663	55R58	61088026	755
575.685-030	FIBER-MACHINE TENDER	3	1	1	3	L46	I35		7663	55P50	61088004	755
575.685-034	FLOWER-POT-PRESS OPERATOR	2	1	1	2	L4	I		7663	55R58	61088026	755
575.685-038	FORMING-MACHINE TENDER	3	2	2	4	M346	I35		7663	55I97	61088012	755
575.685-054	LENS-MOLDING-EQUIPMENT OPERATOR	2	1	1	3	L4	I3		7663	55L63	61088002	755
575.685-058	MARBLE-MACHINE TENDER	2	2	2	3	L4	I35		7663	59002	63000000	755
575.685-074	PRESSER	2	1	1	3	M46	I35		7663	55L63	61088002	755
575.686-010	DRY-PRESS-OPERATOR HELPER	1	1	1	2	M34	I		8618	59003	80002899	873
575.686-018	PIN MAKER	2	1	1	2	L4	I		8725	59003	80002899	878
575.687-010	BALCONY WORKER	2	1	1	2	L456	I36		8769	59003	80002899	889
575.687-014	FORMING-MACHINE UPKEEP-MECHANIC HELPER	3	2	2	3	M4	I35		8619	56900	80002823	873
575.687-030	PRESS-PIPE INSPECTOR	3	2	2	2	L46	I		7820	55B58	50142202	796
579.367-010	QUALITY-CONTROL INSPECTOR	3	2	3	3	L46	I		7820	55B58	50142202	796
579.367-014	QUALITY-CONTROL TECHNICIAN	3	3	3	4	L46	I		7830	55Q57	50142205	797
579.384-010	BRICK TESTER	2	2	1	4	L46	I		7830	55Q57	50142205	797
579.384-018	WARE TESTER	3	3	3	5	L46	I		7830	55Q57	50142205	797
579.664-010	CLAY-STRUCTURE BUILDER AND SERVICER	3	2	2	4	M346	I356		6479	55C46	50020606	599
579.684-018	KILN-FURNITURE CASTER	2	1	1	4	M4	I		7740	55F73	61088810	785
579.685-014	FRIT-MIXER-AND-BURNER	2	2	1	4	H46	I3567		7664	55S04	61083854	756
579.685-018	GLASS-CLEANING-MACHINE TENDER	2	1	1	3	L4	I		7673	59002	63000000	764
579.686-026	OFFBEARER, SEWER PIPE	1	1	1	2	H34	I		8725	59003	80002899	878
579.687-022	GLASS INSPECTOR	2	1	2	3	L46	I		7820	55B58	50142202	796
579.687-030	SELECTOR	2	2	1	3	L46	I		7820	55N91	61060209	796
673.666-014	STRIPPER	2	1	1	2	L46	I5		7679	59003	80002899	777
673.680-010	EDGING-MACHINE SETTER	3	2	1	5	M46	I5		7477	59002	63000000	768
673.682-010	AUTOMATIC PATTERN EDGER	3	1	1	3	H346	I456		7477	59002	63000000	768
673.682-014	BEVELING-AND-EDGING-MACHINE OPERATOR	3	2	3	4	M46	I5		7477	55E72	61088015	768
673.682-026	MITER GRINDER OPERATOR	3	2	3	4	M46	I45		7477	59002	63000000	768
673.685-018	BEVELER	2	1	1	3	M4	I6		7677	55E72	61088015	768
673.685-026	BLOCKER	2	2	2	2	M46	I5		7677	55M38	61082408	768
673.685-030	BLOCKER, AUTOMATIC	2	1	1	2	H34	I5		7677	55M38	61082408	768
673.685-034	CIRCLE BEVELER	2	1	1	3	M346	I6		7677	59002	63000000	768
673.685-038	CIRCLE EDGER	2	1	1	2	M46	I4		7677	59003	80002899	768
673.685-050	ENGRAVER TENDER	2	1	1	3	L456	I4		7677	55I35	50100803	768
673.685-054	FINGER-GRIP-MACHINE OPERATOR	3	2	1	3	M4	I4		7477	59002	63000000	768
673.685-058	FINISH-MACHINE TENDER	3	1	1	5	H4	I5		7677	55I71	61089082	768
673.685-066	LEVEL-VIAL INSIDE GRINDER	2	1	1	3	L4	I		7677	55J37	61082405	768
673.685-070	NOTCH GRINDER	2	1	2	3	L46	I		7677	55J37	61082405	768
673.685-078	STRAIGHT-LINE EDGER	2	2	2	3	H4	I5		7677	55E72	61088015	768
673.686-010	BEVELING-AND-EDGING-MACHINE-OPERATOR HEL	1	1	1	2	H34	I5		8725	59003	80002899	878
673.686-022	EDGING-MACHINE FEEDER	1	1	1	2	L46	I5		8725	59003	80002899	878
673.686-026	LAYER	2	1	1	2	L23456	I5		8725	59003	80002899	878
673.687-010	JOINER	2	1	1	2	L46	I5		7740	59003	80002899	785
674.382-010	GLASS-LATHE OPERATOR	3	2	3	4	L46	I6		7679	59002	63000000	777

*** PROGRAM: 48.0601 INDUSTRIAL CERAMICS MANUFACTURING. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
676.682-010	DRILL OPERATOR, AUTOMATIC	3	2	1	4	H346	I45		7479	59002	63000000	777
676.685-014	DRILLER, MACHINE	2	1	1	2	M346	I		7663	59003	80002899	755
677.562-010	GLASS-CUTTING-MACHINE OPERATOR, AUTOMATI	3	2	2	3	L2346	I6		7478	55J34	61081425	769
677.665-010	GLASS-UNLOADING-EQUIPMENT TENDER	2	1	1	2	L4	I		7679	59003	80002899	777
677.682-014	REFRACTORY-GRINDER OPERATOR	2	2	1	2	M4	I567		7678	55N03	61088021	769
677.685-030	GLASS CUT-OFF TENDER	2	2	2	2	H46	I6		7678	55J34	61081425	769
679.665-010	LEVEL-GLASS-FORMING-MACHINE OPERATOR	2	1	1	2	L46	I		7679	59003	80002899	777
679.682-010	BANDING-MACHINE OPERATOR	3	1	1	4	L46	I		7479	59002	63000000	777
679.685-010	MACHINE OPERATOR, CERAMICS	2	1	1	3	L46	I		7679	59002	63000000	777
679.685-014	PRODUCTION-MACHINE TENDER, GLASS CUTTING	2	1	2	2	L46	I		7679	59003	80002899	777
679.685-022	TILE GRINDER	2	1	1	2	L4	I		7677	59003	80002899	768
700.687-022	CASTER HELPER	2	1	1	3	L4	I	48.0602	7754	59002	63000000	787
701.687-022	LEVEL-VIAL CURVATURE GAGER	2	1	2	3	L46	I		7820	55B58	50142202	796
701.687-026	LEVEL-VIAL INSPECTOR-AND-TESTER	2	1	2	3	L46	I		7820	55Q57	50142205	796
712.684-018	FLANGER	2	1	1	3	L46	I		7759	59002	63000000	795
712.684-026	GLAZIER	2	1	1	2	L46	I		7759	59001	50144899	795
772.684-022	WATCH-CRYSTAL MOLDER	3	1	1	4	L4	I		7754	55L63	61088002	787
773.487-010	CLAY-STAIN MIXER	3	2	2	3	M46	I5		7664	55S04	61083854	756
777.261-010	MODEL MAKER 1	5	3	3	7	L46	I		6861	25452	10243899	675
777.381-014	MODEL-AND-MOLD MAKER	4	2	2	6	L46	I		6862	55V10	50062209	676
777.681-010	MOLD MAKER	3	1	2	6	H4	I		6862	55V10	50062209	676
777.684-014	MOLD MAKER	3	1	2	5	L4	I	48.0604	7754	55V10	50062209	787
779.684-026	GLASS-LINED TANK REPAIRER	3	1	2	3	L346	I247		6130	59002	63000000	518
779.684-042	PIPE FINISHER	2	1	1	3	M4	I		7759	59002	63000000	795
779.684-046	PLASTER MAKER	3	1	2	5	M4	I46		7754	55F73	61088810	787

PROGRAM: 48.0602 JEWELRY DESIGN, FABRICATION, AND REPAIR. — AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO DESIGN, FABRICATE, AND REPAIR JEWELRY ARTICLES SUCH AS RINGS, BROACHES, PENDANTS, BRACELETS, AND LOCKETS. INCLUDES INSTRUCTION IN MODELMAKING; CASTING, ENGRAVING, POLISHING, STONESETTING, FITTING, RINGS, AND SOLDERING BROKEN PARTS; RESHAPING AND RESTYLING OLD JEWELRY; AND USING SPECIAL JEWELER'S HAND TOOLS AND MACHINES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
199.281-010	GEMOLOGIST	4	3	4	7	L46	I		3990	39000	10141404	235
221.387-022	ESTIMATOR, JEWELRY	4	3	3	6	S4	I		4752	62900	40066899	363
502.381-010	CASTER	3	2	2	6	M4	I		6822	55F75	61088805	647
502.682-018	CENTRIFUGAL-CASTING-MACHINE OPERATOR	3	2	2	5	L4	I		7542	55F75	61088805	719
504.687-010	ANNEALER	2	1	1	2	L4	I		7544	55J85	50060600	724
518.381-010	BENCH-MOLDER APPRENTICE	4	3	3	7	L46	I		6822	55L57	50061804	647
518.381-022	MOLDER, BENCH	4	3	3	7	L46	I		6822	55L57	50061804	647
549.685-038	WAX MOLDER	2	1	2	2	L4	I		7663	55R30	61088849	755
559.684-018	RUBBER-MOLD MAKER	2	1	1	3	L46	I		7663	55N45	61088419	755
575.685-078	SYNTHETIC-GEM-PRESS OPERATOR	2	1	1	2	L4	I		7663	59003	80002899	755
590.685-034	FIRER	2	1	2	3	L46	I3		7675	59002	63000000	766
590.685-046	JEWELRY COATER	2	1	2	2	L4	I		7543	59003	80002899	723
599.685-098	TUBBER	2	1	2	2	L4	I45		7673	55Q97	61088414	764

*** PROGRAM: 48.0602 JEWELRY DESIGN, FABRICATION, AND REPAIR. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
599.685-110	TUMBLER OPERATOR	2	1	2	2	M46	I5	48.0502	7673	55Q97 59003	61088414 80002899	764
613.682-018	ROLLER	3	3	2	4	L4	I5		7516	59002	63000000	707
700.281-010	JEWELER	4	3	3	7	S46	I		6822	55B66	50142401	647
700.281-014	JEWELER APPRENTICE	4	3	3	7	S46	I		6822	55B66	50142401	647
700.381-010	CHAIN MAKER, HAND	4	2	3	6	L46	I		6822	55F95	61088806	647
700.381-014	FANCY-WIRE DRAWER	4	3	3	7	S46	I5		6822	55E69	61088803	647
700.381-026	LAY-OUT WORKER	4	2	3	7	S46	I		6821	55E69	61088803	646
700.381-030	LOCKET MAKER	3	2	2	7	L4	I		6822	55B66	50142401	647
700.381-034	MOLD MAKER 1	4	3	3	8	L46	I		6822	55L21	50061801	647
700.381-038	MOLD-MAKER APPRENTICE	4	3	3	8	L46	I		6822	55L21	50061801	647
700.381-042	RING MAKER	3	2	2	7	L46	I		6822	55B66	50142401	647
700.381-046	SAMPLE MAKER 1	3	2	2	7	L46	I		6822	55B66	50142401	647
700.381-050	SOLDERER	3	2	3	5	L46	I		6822	55D46	61022002	647
700.381-054	STONE SETTER	3	2	2	7	L46	I		6822	55Q26	50142410	647
700.381-058	STONE-SETTER APPRENTICE	3	2	2	7	L46	I		6822	55Q26	50142410	647
700.682-014	LATHE HAND	3	1	2	6	L46	I	48.0503	7512	55K58	61021006	704
700.684-010	ARBORER	2	1	1	2	L4	I		7720	59001	50144899	785
700.684-014	ASSEMBLER	2	1	1	3	L46	I		7720	55E22	61080440	785
700.684-018	BRIGHT CUTTER	3	2	2	3	L46	I		7753	59001	50144899	786
700.684-022	CHAIN MAKER, MACHINE	3	2	2	3	L46	I		7720	59002	63000000	785
700.684-026	DRILLER	2	1	2	3	M46	I		7518	55H95	61020201	708
700.684-030	EARRING MAKER	3	2	2	3	L46	I		7720	59002	63000000	785
700.684-034	FILER	3	1	2	3	L46	I		7758	55B19	61082401	794
700.684-046	JIGSAWYER	2	1	1	4	L46	I	48.0502	7329	59002	63000000	715
700.684-050	MESH CUTTER	3	1	2	3	L4	I		7753	55S78	63000000	786
700.684-058	PREPARER, MAKING DEPARTMENT	3	2	2	6	L46	I		7720	59002	63000000	785
700.684-062	PREPARER, SAMPLES AND REPAIRS	3	2	2	4	L46	I		7720	59002	63000000	785
700.684-066	RING STAMPER	2	1	1	5	L46	I56		7529	55E69	61088803	715
700.684-074	SPINNER	3	2	2	5	L46	I		7755	59002	63000000	787
700.684-078	STRETCHER	2	1	2	3	L4	I		7755	59002	63000000	787
700.684-082	WATCH-BAND ASSEMBLER	2	1	1	3	L46	I		7720	55E22	61080440	785
700.687-014	BOILER-OUT	2	1	1	2	L4	I		7756	59003	80002899	789
700.687-022	CASTER HELPER	2	1	1	3	L4	I	48.0601	7754	59002	63000000	787
700.687-026	CHARGER 2	2	1	1	2	L4	I		7720	55E69	61088803	785
700.687-034	INSPECTOR	3	2	2	4	L46	I		7820	55B58	50142202	796
700.687-042	MELTER	2	1	2	2	M4	I36		7549	59003	80002899	725
700.687-050	MOLD-MAKER HELPER	1	1	1	2	L4	I		8619	56900	80002823	873
700.687-054	PLANISHER	2	1	1	2	L4	I		7517	59003	80002899	706
700.687-058	POLISHER	2	1	2	3	L46	I5		7758	55B19	61082401	794
700.687-062	PREPARER	2	1	1	2	L4	I		7740	59003	80002899	785
700.687-066	SCRAPER	2	1	1	2	L46	I		7522	59003	80002899	709
704.381-010	CHASER	4	2	3	6	L46	I		6822	59002	63000000	647
704.381-018	ENGINE TURNER	3	2	2	6	S4	I		6822	55I35	50100803	647
704.381-030	ENGRAVER, HAND, SOFT METALS	3	2	2	7	S46	I		6823	55I35	50100803	649
705.687-010	JIGGER	1	1	1	2	L4	I		8769	59003	80002899	889
709.381-018	MODEL MAKER	4	3	3	7	L46	I	48.0505	6822	59001	50144899	647
709.381-022	MODEL-MAKER APPRENTICE	4	3	3	7	L46	I	48.0505	6822	59001	50144899	647
734.687-026	BUCKLE INSPECTOR	2	1	1	2	L46	I		7820	55B58	50142202	796

*** PROGRAM: 48.0602 JEWELRY DESIGN, FABRICATION, AND REPAIR. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
734.687-030	BUCKLE SORTER	2	1	2	3	L46	I		7850	59002	63000000	799
734.687-046	BUTTON-AND-BUCKLE MAKER	2	1	1	3	L4	I		7740	59002	63000000	785
734.687-050	COVERED-BUCKLE ASSEMBLER	1	1	1	3	L46	I		7720	55E22	61080440	785
734.687-058	HOT-STONE SETTER	1	1	1	2	S4	I		7740	55Q26	50142410	785
735.381-010	BENCH HAND	3	2	1	6	L46	I		6822	55E69	61088803	647
735.381-014	PEARL RESTORER	3	2	2	6	L46	I		6822	55J29	50142411	647
735.381-018	SAMPLE MAKER 2	4	2	2	6	S46	I		6822	59001	50144899	647
735.587-010	COLORING CHECKER	3	1	1	4	L46	I		7820	55B58	50142202	796
735.681-010	BRACELET AND BROOCH MAKER	3	2	1	7	L46	I		6822	55E69	61088803	647
735.684-010	BEAD STRINGER	2	1	2	3	L46	I		7720	55E22	61080440	785
735.684-014	STONER	2	1	2	4	L46	I		7758	59002	63000000	794
735.684-018	TROPHY ASSEMBLER	3	2	2	5	L46	I		7720	55E22	61080440	785
735.687-010	DIPPER	2	1	1	2	L4	I		8769	59003	80002899	889
735.687-014	LINKER	2	1	2	3	L46	I		7720	55E22	61080440	785
735.687-018	PAINTER	2	1	2	2	L4	I		7756	55R68	61084210	789
735.687-022	PIN-OR-CLIP FASTENER	2	1	1	2	L4	I		7720	55E22	61080440	785
735.687-026	RACKER	1	1	1	2	L4	I		8769	59003	80002899	889
735.687-034	STONE SETTER	1	1	1	2	L46	I		7740	55Q26	50142410	785
735.687-038	SWEDGER	2	1	1	2	L4	I		7720	55E22	61080440	785
735.687-042	WIRE DRAWER	2	1	1	2	L4	I		7740	55R41	61088850	785
740.684-010	CHARGER 1	3	1	1	3	S46	I		7756	55V04	61084202	789
740.684-018	ENAMELER	3	2	2	4	S46	I		7756	55V04	61084202	789
749.684-034	LACQUERER	3	2	1	3	L4	I7		7756	55R68	61084210	789
770.261-010	BRILLIANDEER-LOPPER	3	2	2	6	S46	I		6866	59001	50144899	647
770.261-014	GIRDLER	3	2	2	6	S46	I		6866	59001	50144899	647
770.267-010	DIAMOND EXPERT	4	3	3	8	S456	I		7820	59001	50144899	796
770.281-010	DIAMOND SELECTOR	4	2	3	8	S46	I		6866	59001	50144899	647
770.281-014	GEM CUTTER	4	3	3	6	S46	I		6866	55J28	50142408	647
770.381-010	BEAD MAKER	3	2	2	7	L46	I		6822	59001	50144899	647
770.381-014	DIAMOND CLEAVER	3	2	2	6	S46	I		6866	59002	63000000	647
770.382-010	LATHE OPERATOR	3	2	3	6	L46	I		6866	59002	63000000	647
770.684-014	JEWEL-HOLE CORNERER	2	1	1	3	L4	I	47.0408	7720	59002	63000000	785
770.687-010	ARTIFICIAL-PEARL MAKER	1	1	1	2	L46	I		7740	59003	80002899	785
770.687-014	DIAMOND SIZER AND SORTER	3	2	2	4	L46	I		7850	55B58	50142202	799
770.687-030	PULVERIZER	2	1	1	2	L4	I		8769	59003	80002899	889
777.381-022	MOLD MAKER 2	3	1	2	7	L4	I		6861	59001	50144899	675

PROGRAM: 48.0603 OPTICAL GOODS WORK.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO MOLD AND CAST OPTICAL PRODUCTS, PATTERNS, AND PROTOTYPE PARTS SUCH AS EYEGLASS LENSES AND CONTACT LENSES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
570.682-010	ABRASIVE GRADER	3	2	2	4	M34	I7		7850	59002	63000000	799
573.685-030	LENS HARDENER	2	2	1	2	L46	I		7675	55V11	61085619	766
573.686-014	FUSING-FURNACE LOADER	2	1	1	2	L4	I		8725	59003	80002899	878
574.484-010	OPTICAL-GLASS SILVERER	3	1	1	4	L4	I		7669	55R68	61084210	759
575.381-010	MOLDER	3	2	2	6	M46	I36		6861	55L63	61088002	675

*** PROGRAM: 48.0603 OPTICAL GOODS WORK. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
575.686-014	MOLDER HELPER	1	1	1	2	M4	I3		8725	59003	80002899	878
579.685-046	ROUGE SIFTER AND MILLER	1	1	1	2	L4	I		7666	55N78	63000000	757
673.685-074	STONE ROUGHER	3	1	1	2	L46	I45		7677	55J37	61082405	768
673.686-014	BURR GRINDER	1	1	1	1	L4	I		8725	59003	80002899	878
677.382-014	SAWYER, OPTICAL GLASS	3	2	2	7	L46	I5		7678	59001	50144899	769
711.281-010	INSPECTOR, OPTICAL INSTRUMENT	4	4	4	7	L46	I		6881	55B58	50142202	689
711.281-014	INSTRUMENT MECHANIC, WEAPONS SYSTEM	4	3	3	8	M46	I	47.0401	6171	51037	50083210	535
711.381-010	OPTICAL-INSTRUMENT ASSEMBLER	4	3	4	6	L46	I		6864	55E22	61080440	677
711.684-010	ASSEMBLY LOADER	2	1	1	3	L4	I		7720	59002	63000000	785
711.684-014	CEMENTER	2	2	2	5	L46	I		7720	55E22	61080440	785
713.261-010	ARTIFICIAL-GLASS-EYE MAKER	4	2	4	8	L456	I		6864	59001	50144899	677
713.261-014	ARTIFICIAL-PLASTIC-EYE MAKER	4	3	4	8	L456	I		6864	59001	50144899	677
713.381-010	LENS-MOLD SETTER	3	3	2	5	L46	I		6864	59002	63000000	677
713.384-010	ASSEMBLER, GOLD FRAME	2	1	2	2	L46	I		7720	55E22	61080440	785
713.384-014	INSPECTOR, EYEGLASS	3	3	2	5	L46	I		7820	55B58	50142202	796
713.667-010	INSPECTOR, CLIP-ON SUNGLASSES	2	1	2	3	L46	I		7820	55B58	50142202	796
713.681-010	LENS MOUNTER 2	3	2	3	6	M46	I		6864	55D69	50143002	677
713.684-010	ASSEMBLER, CLIP-ON SUNGLASSES	2	1	1	3	L46	I		7720	55E22	61080440	785
713.684-014	ASSEMBLER, MOLDED FRAMES	2	1	1	2	L4	I		7720	55E22	61080440	785
713.684-026	EYEGLASS-FRAME TRUER	2	1	2	3	L46	I		7759	55D69	50143002	795
713.684-034	MULTIFOCAL-LENS ASSEMBLER	2	1	2	3	L46	I		7720	55E22	61080440	785
713.687-014	CONTACT-LENS-FLASHING PUNCHER	2	1	1	2	L4	I		7740	59003	80002899	785
713.687-026	LENS INSERTER	1	1	1	2	L4	I		7740	55E22	61080440	785
713.687-030	LENS MATCHER	2	1	2	2	L46	I		7820	55B58	50142202	796
713.687-038	SALVAGER	2	1	1	2	L46	I		7740	59003	80002899	785
716.130-010	SUPERVISOR	4	3	4	7	L456	I	15.0606 17.0702	7100	55B29	50040003	633
716.280-008	OPTICIAN	4	4	4	8	L456	I	15.0606 17.0702	6864	55D69	50143002	677
716.280-010	OPTICIAN APPRENTICE	4	4	4	8	L46	I	15.0606 17.0702	6864	55D69	50143002	677
716.280-014	OPTICIAN	4	4	4	8	L46	I	15.0606 17.0702	6864	55D69	50143002	677
716.360-010	SIZER, MACHINE	3	3	3	7	L46	I5		7322	55B70	50143001	709
716.381-010	INSPECTOR, PRECISION	4	3	4	7	L46	I	15.0606 17.0702	6881	55B58	50142202	689
716.381-014	LAY-OUT TECHNICIAN	3	3	3	6	L46	I		6864	59001	50144899	677
716.382-010	LATHE OPERATOR, CONTACT LENS	3	3	3	5	L46	I		6864	55B70	50143001	677
716.382-014	OPTICAL-ELEMENT COATER	3	2	2	5	L46	I		6864	59001	50144899	677
716.382-018	PRECISION-LENS GRINDER	4	3	4	7	L46	I	15.0606 17.0702	7477	55B70	50143001	677
716.382-022	PRECISION-LENS-GRINDER APPRENTICE	4	3	4	7	L46	I	15.0606 17.0702	7477	55B70	50143001	677
716.462-010	PRECISION-LENS CENTERER AND EDGER	3	3	2	6	L46	I		6864	55D69	50143002	677
716.681-010	BLOCKER AND CUTTER, CONTACT LENS	3	2	3	5	L46	I		6864	59002	63000000	677
716.681-014	GLASS CUTTER, HAND	3	2	2	4	L46	I		6864	59002	63000000	677
716.681-018	LENS POLISHER, HAND	3	2	2	5	L46	I		6864	55B70	50143001	677
716.681-022	OPTICAL-GLASS ETCHER	3	2	2	4	L46	I		7757	55I35	50100803	793
716.682-010	EYEGLASS-LENS CUTTER	3	2	2	3	L46	I		7478	55D69	50143002	769
716.682-014	PRECISION-LENS GENERATOR	3	3	3	6	L46	I		7678	55B70	50143001	769

PROGRAM: 48.0604 PLASTICS.
---------- AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO MOLD AND CAST PLASTIC PARTS, PATTERNS, AND PROTOTYPE PARTS; FIT, FABRICATE, AND REPAIR INTERNAL CARVINGS; FINISH PLASTIC PARTS; AND ASSEMBLE PLASTIC COMPONENTS INTO PRODUCTS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
000.000-000									7542	58002 58011	61087631 61087635	719
550.381-010	COLOR MATCHER	3	2	3	5	M46	I7		6869	57030	61083852	684
550.382-026	OPERATOR, CATALYST CONCENTRATION	3	2	2	5	H246	B567		7664	57031	50144899	756
550.382-034	SOLUTIONS OPERATOR	3	2	2	5	L24	I56		7664	57031	50144899	756
550.585-014	CELLOPHANE-BATH MIXER	3	2	2	3	L24	I		7664	57031	50144899	756
550.685-034	CHURN TENDER	3	2	2	3	L4	I5		7664	57031	50144899	756
551.582-010	HYDRAULIC-STRAINER OPERATOR	3	1	2	5	M34	I		7529	59002	63000000	715
551.685-046	DEHYDRATING-PRESS OPERATOR	2	1	2	2	M4	I6		7667	59003	80002899	758
552.685-018	BATH-MIX OPERATOR	2	1	1	2	H34	I57		7676	59003	80002899	757
553.482-010	AGER OPERATOR	3	2	2	5	L4	I5		7675	59002	63000000	766
553.585-010	DEBUBBLIZER	2	1	1	3	M34	I46		7675	59002	63000000	766
553.665-042	PLASTICS-SEASONER OPERATOR	2	1	1	2	M4	I3		7675	55538	61087294	766
553.685-046	DRIER OPERATOR 2	2	1	1	2	L46	O57		7675	55538	61087294	766
554.382-014	PLASTICS-SPREADING-MACHINE OPERATOR	3	2	2	4	L46	I7		7543	59002	63000000	723
554.585-014	COATER OPERATOR	3	1	2	3	M2346	I		7543	59002	63000000	723
554.586-010	FINISHER	2	1	1	2	M4	I		8769	59003	80002899	889
554.587-010	ROLL INSPECTOR	2	2	2	3	L46	I		7820	55B58	50142202	796
554.682-014	MASKING-MACHINE OPERATOR	3	2	2	4	M4	I		7662	59002	63000000	754
554.682-018	ROLL OPERATOR	3	1	1	5	M46	I5		7549	55T90	61087633	725
554.684-010	CAUSTIC OPERATOR	2	1	1	3	M4	I46		7756	59002	63000000	789
554.685-010	BULK-SEALER OPERATOR	2	1	1	2	L4	I		7549	59003	80002899	725
554.685-018	COMBINING-MACHINE OPERATOR	3	1	1	4	L4	I67		7667	59002	63000000	758
555.585-010	CUTTER OPERATOR	3	1	1	3	M34	I56		7678	55T66	61081403	769
556.585-010	CASTING-ROOM OPERATOR	3	2	2	4	L4	I		7542	55F79	61087241	719
556.585-014	POLYMERIZATION-OVEN OPERATOR	2	1	1	3	M4	I		7675	59002	63000000	766
556.587-010	MOLD PARTER	2	1	1	2	M4	I		8769	59003	80002899	889
556.665-010	CAKE-PRESS OPERATOR	3	2	1	4	H46	I36		7542	59002	63000000	719
556.665-014	CORRUGATOR OPERATOR	3	2	2	4	L46	I7		7542	59002	63000000	719
556.684-010	CELL INSPECTOR	2	1	1	4	L46	I		7820	55B58	50142202	796
556.684-018	MOLD-FILLING OPERATOR	2	1	1	4	M4	I		7754	59002	63000000	787
556.685-058	PILLING-MACHINE OPERATOR	2	1	1	4	H34	I7		7542	55I59	61087640	719
556.686-010	CAKE-PRESS-OPERATOR HELPER	2	1	1	2	H4	I36		8614	59003	80002899	873
556.686-014	CELL STRIPPER	2	1	1	2	H4	I		8725	59003	80002899	878
556.687-014	CELL PREPARER	2	1	1	2	H4	I		8769	59003	80002899	889
557.382-010	EXTRUDER OPERATOR	3	2	2	5	M46	I35		7315	55T91	61087623	719
557.564-010	EXTRUDER-OPERATOR HELPER	2	2	1	2	H4	I57		8619	55T92	61087624	873
558.382-042	KETTLE OPERATOR	3	2	2	5	L234	I567		7676	55G14	61087290	757
558.382-050	POLYMERIZATION-KETTLE OPERATOR	4	3	3	7	M46	I57		7676	55G14	61087290	757
558.585-038	POLYMERIZATION HELPER	3	2	2	4	M234	I57		8618	55G17	61087288	873
558.682-010	CRACKING-UNIT OPERATOR	3	2	2	5	M34	I6		7676	55G14	61087290	757
559.362-014	FINISHING-AREA OPERATOR	3	2	2	6	L46	I5		7664	55553	61087295	756
559.367-010	QUALITY-CONTROL TESTER	3	2	3	4	L46	I57		7830	55Q57	50142205	797
559.381-010	INSPECTOR	3	3	3	5	L46	I57		6881	55B58	50142202	689
559.382-050	SHREDDING-FLOOR-EQUIPMENT OPERATOR	3	2	2	5	M4	I		7549	59002	63000000	725
559.562-010	DRIER OPERATOR 1	3	2	3	6	L246	I6		7529	55538	61087294	715

*** PROGRAM: 48.0604 PLASTICS. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
559.582-010	COAGULATION OPERATOR	3	2	2	5	L2346	I456		7676	59002	63000000	757
559.584-010	ROLL-TENSION TESTER	2	1	2	3	L46	I		7830	55Q57	50142205	797
559.585-018	TANKROOM TENDER	2	1	2	3	L46	I5		7679	59002	63000000	777
559.587-010	ROD-AND-TUBE STRAIGHTENER	2	1	1	2	M34	I34		8769	59003	80002899	889
559.664-014	PILOT-CONTROL-OPERATOR HELPER	2	2	2	5	M246	B67		8619	55G17	61087288	873
559.665-014	DRY-END OPERATOR	3	2	2	3	M34	I		7679	59002	63000000	777
559.682-022	FILM-CASTING OPERATOR	3	2	1	4	M46	I		7529	55T90	61087633	715
559.684-014	PLASTIC MIXER	2	2	2	4	M4	I		7754	59002	63000000	787
690.685-154	ELECTRIC-SEALING-MACHINE OPERATOR	2	1	2	2	L46	I		7539	55T94	61087608	717
754.381-018	PLASTICS BENCH MECHANIC	3	2	3	6	M46	I		6116	55I50	61088817	515
777.684-014	MOLD MAKER	3	1	2	5	L4	I	48.0601	7754	55V10	50062209	787

PROGRAM: 48.0699 PRECISION WORK, ASSORTED MATERIALS, OTHER. — ANY INSTRUCTIONAL PROGRAM IN PRECISION WORK, ASSORTED MATERIALS NOT DESCRIBED ABOVE.

PROGRAM: 48.0700 WOODWORKING. — A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS TO LAY OUT AND SHAPE STOCK; ASSEMBLE WOODEN ARTICLES OR SUBASSEMBLIES; MARK, BIND, SAW, CARVE, AND SAND WOODEN PRODUCTS; REPAIR WOODEN ARTICLES; AND USE A VARIETY OF HAND AND POWER TOOLS.

PROGRAM: 48.0701 WOODWORKING, GENERAL. — AN INSTRUCTIONAL PROGRAM THAT GENERALLY PREPARES INDIVIDUALS TO LAY OUT AND SHAPE STOCK; ASSEMBLE WOODEN ARTICLES OR SUBASSEMBLIES; MARK, BIND, SAW, CARVE, AND SAND WOODEN PRODUCTS; REPAIR WOODEN ARTICLES; AND USE A VARIETY OF HAND AND POWER TOOLS.

PROGRAM: 48.0702 FURNITURE MAKING.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ASSEMBLE AND FINISH WOOD FURNITURE. INCLUDES INSTRUCTION IN PREPARING FREEHAND SKETCHES; FASTENING WOODEN PARTS WITH GLUE; REINFORCING JOINTS WITH DOWELS, SCREWS, STAPLES, OR NAILS USING POWER SCREWDRIVERS, STAPLE GUNS, OR HAMMERS; AND FINISHING AND/OR REFINISHING NEW, USED, DAMAGED, OR WORN FURNITURE ACCORDING TO SPECIFICATIONS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
149.281-010	FURNITURE REPRODUCER	5	3	4	7	S46	I		3290	29000	10243899	194
562.685-010	GLUE-SIZE-MACHINE OPERATOR	2	2	2	2	M4	I		7639	59003	80002899	733
619.685-014	BANDING-MACHINE OPERATOR	2	1	1	2	L4	I	48.0504	7517	59003	80002899	706
669.682-038	DOUBLE-END-TRIMMER-AND-BORING-MACHINE OP	3	2	3	4	M34	I5		7439	55E98	61021401	733
669.682-058	NAILING-MACHINE OPERATOR	2	1	1	4	M4	I56		7439	55L71	61084602	733
692.685-106	LAMINATING-MACHINE OPERATOR	3	1	2	3	M46	I6		7639	55B67	61086819	733
692.685-198	STAPLER, MACHINE	2	1	1	3	M4	I		7679	55P93	61084603	777
742.687-010	WIPER	2	1	1	2	L34	I		7756	55N39	61084208	789
749.684-014	DECORATOR	2	1	1	4	L46	I		7756	55V04	61084202	789
749.687-030	STRIPPER	2	1	1	2	M34	I7		7756	59003	80002899	789
761.281-010	CARVER, HAND	4	4	3	8	L46	I5		6839	59001	50144899	659
761.684-038	SHAPER, HAND	3	1	1	4	L46	I		7720	55P06	61088841	785
762.684-038	EDGE BANDER, HAND	2	1	1	2	M34	I		7720	59003	80002899	785
762.684-066	WOODEN-FRAME BUILDER	2	1	1	2	M46	I		7720	55E22	61080440	785
762.685-010	EDGE BANDER, MACHINE	2	2	2	2	M34	I5		7661	59003	80002899	753
762.687-070	WOODENWARE ASSEMBLER	2	1	2	2	M34	I		7720	55E22	61080440	785
763.381-010	FURNITURE FINISHER	4	2	2	7	L346	I7		6835	55D86	50141400	658
763.381-014	FURNITURE-FINISHER APPRENTICE	4	2	2	7	L346	I7		6835	55D86	50141400	658
763.684-010	ASSEMBLY INSPECTOR	3	1	2	5	L46	I		7820	55B58	50142202	796
763.684-018	CANER 1	3	1	1	3	L346	I		7720	59002	63000000	785
763.684-022	CANER 2	2	1	1	3	L46	I		6179	51900	50083299	547
763.684-030	DRAWER LINER	2	1	1	2	L4	I		7759	59003	80002899	795
763.684-034	FINISH PATCHER	3	1	2	3	M46	I		6179	55D86	50141400	547
763.684-038	FURNITURE ASSEMBLER	3	2	2	4	M46	I		7720	55E22	61080440	785
763.684-042	HARDWARE ASSEMBLER	2	1	1	3	L346	I		7720	55E22	61080440	785
763.684-046	LAG SCREWER	2	2	2	2	L34	I5		7720	59003	80002899	785
763.684-050	LAMINATOR, HAND	2	1	1	3	M4	I		7720	59002	63000000	785
763.684-054	LEATHER TOOLER	3	2	2	5	L46	I		7759	59002	63000000	795
763.684-058	PIANO CASE AND BENCH ASSEMBLER	2	2	2	2	L46	I		7720	55E22	61080440	785
763.684-062	PLASTIC-TOP ASSEMBLER	2	1	1	2	H346	I		7720	55E22	61080440	785
763.684-066	SLOT ROUTER	2	2	2	2	H346	I5		7753	55S78	63000000	786
763.684-070	STOCK-PARTS INSPECTOR	3	2	2	4	L346	I57		7820	55B58	50142202	796
763.684-074	TABLE-TOP TILE SETTER	2	2	2	4	L46	I		7759	59001	50144899	795
763.684-078	WICKER WORKER	3	1	2	5	M4	I		7720	59002	63000000	785
763.687-014	CHAIR INSPECTOR AND LEVELER	2	1	2	3	L46	I57		7820	55B58	50142202	796
763.687-018	DISTRESSER	2	1	2	3	L46	I		8769	59002	63000000	889
763.687-026	FINISHED-STOCK INSPECTOR	3	2	2	4	L346	I		7820	55B58	50142202	796

PROGRAM: 48.0703 MILLWORK AND CABINET MAKING. AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ENGAGE IN THE MASS PRODUCTION OF SUCH ARTICLES AS WINDOW FRAMES, MOLDING, TRIM, AND PANELS AND SUCH PRODUCTS AS STORE FIXTURES, KITCHEN CABINETS, AND OFFICE EQUIPMENT. INCLUDES INSTRUCTION IN CUTTING, SHAPING, ASSEMBLING, AND REFINISHING ARTICLES; INSTALLING HINGES, CATCHES, DRAWER PULLS, AND OTHER HARDWARE; AND PLANNING AND DRAFTING LAYOUTS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
000.000-000									8619	56015	80002823	873
660.280-010	CABINETMAKER	4	4	3	6	M46	I		6832	55A38	50140400	657
660.280-014	CABINETMAKER APPRENTICE	4	4	3	6	M46	I		6832	55A38	50140400	657
661.281-018	PATTERNMAKER APPRENTICE, WOOD	4	4	3	8	M46	I5		6831	55M10	50062204	656
661.281-022	PATTERNMAKER, WOOD	4	4	3	8	M46	I5		6831	55M10	50062204	656
661.380-010	MODEL MAKER, WOOD	4	4	3	7	M3456	I5		6831	25452	10243899	656
662.682-010	MOLDING SANDER	3	2	1	4	M346	I57		7434	55N60	61082410	733
662.682-014	MULTIPLE-DRUM SANDER	3	2	2	4	M346	I57		7434	55R14	61082415	733
662.685-014	CYLINDER-SANDER OPERATOR	2	1	1	2	M46	I5		7634	55N60	61082410	733
662.685-018	LAST SCOURER	2	1	1	4	L46	I5		7634	55N60	61082410	733
662.685-030	SIZING-MACHINE TENDER	2	1	1	2	M4	I5		7634	55N60	61082410	733
662.685-034	SPEED-BELT-SANDER TENDER	2	1	1	2	M346	I5		7634	55N60	61082410	733
662.685-038	TURNING-SANDER OPERATOR	2	1	1	3	L4	I5		7634	55N60	61082410	733
662.686-014	MULTIPLE-DRUM-SANDER HELPER	2	1	2	2	M346	I57		8725	59003	80002899	878
663.685-010	BLOCK-SPLITTER OPERATOR	2	1	1	3	M4	I5		7678	59002	63000000	769
663.685-018	MOLDING CUTTER	2	1	1	2	L46	I56		7635	55P08	61021009	728
664.382-010	SWING-TYPE-LATHE OPERATOR	3	3	2	4	M346	I567		7431	55K57	61021005	726
664.382-014	WOOD-TURNING-LATHE OPERATOR	4	2	1	5	M46	I6		7631	55K57	61021005	726
664.662-010	VENEER-LATHE OPERATOR	3	1	1	4	M46	I5		7431	55R12	61021001	726
664.682-010	BARREL-LATHE OPERATOR, INSIDE	3	1	1	4	M46	I5		7631	55K57	61021005	726
664.684-010	BOWL TURNER	2	1	1	2	L46	I7		7631	55K57	61021005	726
664.685-010	BRIAR CUTTER	2	1	1	2	L4	I		7631	55K57	61021005	726
664.685-014	BUCKET CHUCKER	2	1	1	3	M4	I		7634	59002	63000000	733
664.685-018	COPY-LATHE TENDER	2	1	1	3	M4	I5		7631	55K57	61021005	726
664.685-022	FRAZER	2	1	1	3	M4	I5		7634	55P08	61021009	733
664.685-026	SHUTTLE SPOTTER	2	1	1	2	M4	I		7631	59003	80002899	726
664.685-030	SPAR-MACHINE-OPERATOR HELPER	2	2	2	3	H34	06		8615	59002	63000000	873
665.382-010	CHUCKING-MACHINE OPERATOR	3	2	1	5	M4	I567		7432	55P08	61021009	726
665.382-014	LOCK-CORNER-MACHINE OPERATOR	3	2	2	4	M46	I57		7632	55P08	61021009	726
665.382-018	WOOD-CARVING-MACHINE OPERATOR	3	2	2	4	M46	I567		7431	55F67	61081404	726
665.482-010	JOINTER OPERATOR	3	2	3	5	M346	I57		7635	55R43	61086818	728
665.482-014	MORTISING-MACHINE OPERATOR	3	3	2	4	M46	I5		7432	55L66	61081430	726
665.482-018	TIMBER-SIZER OPERATOR	3	2	1	4	M46	B567	03.0403	7632	55S92	61081464	726
665.682-010	DOWEL-MACHINE OPERATOR	3	2	1	5	M246	I56		7431	55H83	61086809	726
665.682-018	MOLDER OPERATOR	3	2	2	5	M346	I56		7435	55R43	61086818	728
665.682-022	PLANER OPERATOR	3	2	2	4	M46	I57		7432	55S92	61081464	726
665.682-026	PROFILE-SHAPER OPERATOR, AUTOMATIC	3	2	1	5	M46	I57		7439	55P08	61021009	733
665.682-030	ROUTER OPERATOR	3	2	2	4	M346	I567		7432	55P08	61021009	726
665.682-034	SHAPER OPERATOR	3	2	2	5	M346	I567		7432	55P08	61021009	726
665.685-010	BOTTOM-TURNING-LATHE TENDER	2	1	1	3	L4	I5		7631	55K57	61021005	726
665.685-014	END FRAZER	2	2	1	3	L46	I		7632	59002	63000000	726
665.685-018	PLOW-AND-BORING-MACHINE TENDER	2	1	1	2	M4	I5		7639	59003	80002899	733
665.685-026	SCOOPING-MACHINE TENDER	3	2	2	4	M46	I57		7632	59002	63000000	726
665.685-030	STAVE JOINTER	2	1	1	3	L46	I5		7635	55R43	61086818	728
665.686-014	STAVE-PLANER TENDER	2	1	1	2	L4	I5		8725	55S92	61081464	878

*** PROGRAM: 48.0703 MILLWORK AND CABINET MAKING. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED			S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
		R	M	L								
666.382-010	BORING-MACHINE OPERATOR	3	3	2	4	M34	I56		7439	55E98	61021401	733
666.482-010	PULLEY-MORTISER OPERATOR	3	2	2	4	M46	I		7639	55E98	61021401	733
666.582-010	PREFITTER, DOORS	3	2	2	4	H46	I5		7639	55E98	61021401	733
666.685-010	STEMHOLE BORER	2	1	1	2	L4	I5		7639	55E98	61021401	733
667.382-010	STOCK GRADER	3	2	2	5	M246	I567		7633	55Q88	61085017	727
667.482-014	POCKET CUTTER	3	2	2	4	M46	I5		7633	59002	63000000	727
667.482-018	STOCK CUTTER	3	2	2	4	M46	I56		7633	55Q88	61085017	727
667.662-014	MACHINE-TANK OPERATOR	3	2	2	5	M4	I		7633	59002	63000000	727
667.682-010	BAND-SCROLL-SAW OPERATOR	3	2	2	5	L4	I5		7633	55E46	61085001	727
667.682-014	BOTTOM-SAW OPERATOR	3	1	1	4	M4	I		7633	55J83	61085008	727
667.682-018	CORNER-TRIMMER OPERATOR	3	1	1	5	M4	I5		7633	59002	63000000	727
667.682-022	CUT-OFF-SAW OPERATOR	3	2	2	4	M46	I56		7633	55H19	61085003	727
667.682-042	JIGSAW OPERATOR	3	1	1	4	M46	I567		7633	55E46	61085001	727
667.682-054	RADIAL-ARM-SAW OPERATOR	3	1	2	4	M46	I56		7633	59002	63000000	727
667.682-062	RIP-AND-GROOVE-MACHINE OPERATOR	3	2	1	4	L4	I5		7633	55N14	61081434	727
667.682-066	RIPSAW OPERATOR	3	1	1	4	M46	I56		7633	55N15	61085012	727
667.682-086	VARIETY-SAW OPERATOR	3	2	2	5	M46	I56		7633	55R08	63000000	727
667.685-010	BAND-SAW OPERATOR	2	1	1	2	H34	I5		7633	55E46	61085001	727
667.685-014	BAND-SAW OPERATOR	1	1	1	2	L4	I		7633	55G46	61086608	727
667.685-018	BEADING SAWYER	2	1	1	2	L4	I5		7633	59003	80002899	727
667.685-030	COB SAWYER	1	1	1	2	L4	I567		7633	59003	80002899	727
667.685-038	DOWEL POINTER	2	1	1	2	L346	I567		7633	59003	80002899	727
667.685-042	KERFER-MACHINE OPERATOR	2	1	1	3	L4	I		7633	59002	63000000	727
667.685-062	STAVE-SAW OPERATOR	3	1	1	4	M4	I7		7633	55H19	61085003	727
667.685-066	TURNING-MACHINE OPERATOR	2	1	1	2	L46	I57		7633	59003	80002899	727
667.686-022	TURNING-MACHINE-OPERATOR HELPER	2	1	1	2	M4	I7		8725	59003	80002899	878
669.280-010	MACHINE SETTER	4	3	3	7	M346	I567		7439	55K97	50144808	733
669.360-010	CHECKERING-MACHINE ADJUSTER	3	2	1	7	M3456	I	47.0402	6179	59001	50144899	547
669.380-014	MACHINIST, WOOD	4	3	3	7	M46	I567		6832	55L34	61021404	657
669.380-018	PIPE-AND-TANK FABRICATOR	3	2	2	7	M34	I5		7439	55R43	61086818	733
669.382-010	DADO OPERATOR	3	2	1	5	M346	I567		7432	59002	63000000	726
669.382-014	RAFTER-CUTTING-MACHINE OPERATOR	3	3	2	4	H2346	I567		7432	59001	50144899	726
669.382-018	TENONER OPERATOR	4	3	3	5	M346	I567		7439	55Q54	61081452	733
669.485-010	POWER-BARKER OPERATOR	3	2	2	3	L46	B56		7639	55E38	61086808	733
669.662-010	BOX-BLANK-MACHINE OPERATOR	3	2	2	4	L4	I5		7439	59002	63000000	733
669.662-014	FRAME-TABLE OPERATOR	3	2	2	5	M34	O56		7639	59002	63000000	733
669.662-018	TONGUE-AND-GROOVE-MACHINE OPERATOR	3	2	2	5	M456	I5		7635	55R43	61086818	728
669.682-010	ADZING-AND-BORING-MACHINE OPERATOR	3	2	3	5	L234	I6		7632	59002	63000000	726
669.682-014	BARREL ASSEMBLER	3	2	2	4	M46	I6		7720	55E22	61080440	785
669.682-018	BUCKET TURNER	2	1	1	4	M4	I7		7631	59002	63000000	726
669.682-022	CHUCKING-AND-BORING-MACHINE OPERATOR	3	2	2	4	M346	I567		7632	55R43	61086818	726
669.682-026	CHUCKING-AND-SAWING-MACHINE OPERATOR	3	2	1	4	L46	I5		7433	55R43	61086818	727
669.682-030	CORNER-BRACE-BLOCK-MACHINE OPERATOR	3	2	2	4	M46	I567		7433	59002	63000000	727
669.682-034	CROZE-MACHINE OPERATOR	3	1	1	4	L4	I7		7633	55H19	61085003	727
669.682-042	DOWEL-INSERTING-MACHINE OPERATOR	2	1	1	4	M4	I5		7439	55E98	61021401	733
669.682-046	EMBOSSING-MACHINE OPERATOR	3	2	2	4	L46	I		7639	55T79	63000000	733
669.682-066	TIP INSERTER	3	1	1	4	M4	I		7639	55R43	61086818	733
669.685-010	BARREL-ASSEMBLER HELPER	2	1	2	2	M34	I5		8615	59003	80002899	873
669.685-022	BOTTOM-HOOP DRIVER	2	1	1	3	M4	I		7635	59002	63000000	728
669.685-030	CLAMPER	2	1	1	2	H4	I5		7720	59003	80002899	785

*** PROGRAM: 48.0703 MILLWORK AND CABINET MAKING. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
669.685-034	COAT-HANGER-SHAPER-MACHINE OPERATOR	2	1	1	3	M4	I57		7635	55P08	61021009	728
669.685-042	CORRUGATED-FASTENER DRIVER	2	1	1	2	M34	I5		7636	55L71	61084602	729
669.685-046	DOVETAIL-MACHINE OPERATOR	2	1	1	2	M4	I5		7635	55H34	61086812	728
669.685-050	DOWELING-MACHINE OPERATOR	2	1	1	3	L34	I		7639	59002	63000000	733
669.685-054	END STAPLER	2	1	1	3	L4	I5		7639	59002	63000000	733
669.685-058	FRAME-TABLE-OPERATOR HELPER	2	2	1	2	M34	O56		8615	59003	80002899	873
669.685-062	HEADING-MACHINE OPERATOR	2	1	1	2	M46	I57		7634	55N60	61082410	733
669.685-066	NAILING-MACHINE OPERATOR, AUTOMATIC	2	2	1	2	L4	I		7636	55L71	61084602	729
669.685-078	SMOKING-PIPE DRILLER AND THREADER	2	1	1	2	L4	I5		7631	59003	80002899	726
669.685-086	STITCHING-MACHINE OPERATOR	2	1	1	2	M34	I5		7539	59003	80002899	717
669.685-094	TURNER	2	1	1	3	L46	I57		7639	59002	63000000	733
669.686-014	BOX-BLANK-MACHINE-OPERATOR HELPER	2	1	1	2	M34	I5		8615	59003	80002899	873
669.686-034	WOODWORKING-MACHINE OFFBEARER	2	1	1	2	M34	I5		8725	59003	80002899	878
669.687-018	LUMBER STRAIGHTENER	2	1	1	2	M4	B56		8726	55K91	80001008	883
677.682-010	HEAD-SAW OPERATOR, INSULATION BOARD	3	2	1	6	L4	I		7678	59002	63000000	769
739.481-010	CASKET ASSEMBLER	3	2	2	6	M34	I5		6839	55E22	61080440	659
739.484-018	SMOKING-PIPE REPAIRER	3	2	2	5	L46	I		6179	51900	50083299	547
760.684-010	BENCH CARPENTER	2	2	2	3	H46	I		7720	55E22	61080440	785
760.684-014	BOX MAKER, WOOD	3	2	2	3	M4	I5		7720	55E22	61080440	785
761.381-010	BOAT-OAR MAKER	3	2	2	6	M46	I		6839	59002	63000000	659
761.381-014	JIG BUILDER	3	2	2	6	M346	I		6831	59001	50144899	656
761.381-022	PATTERN MARKER 1	4	4	3	7	L46	I		6839	55K30	61088852	659
761.381-030	SMOKING-PIPE MAKER	4	2	2	7	L46	I		6839	59001	50144899	659
761.682-014	SANDER, MACHINE	2	1	2	3	M346	I567		7634	55N60	61082410	733
761.682-018	SPINDLE CARVER	3	2	2	5	L46	I57		7431	55F67	61081404	726
761.684-018	PANEL-LAY-UP WORKER	3	2	2	4	L46	I		7720	59002	63000000	785
761.684-022	PATTERN MARKER 2	2	2	2	2	L4	I5		7759	59003	80002899	795
761.684-026	POLISHER	2	1	1	2	M4	I		7677	59003	80002899	768
761.684-030	SANDER	2	1	1	2	L46	I5		7634	55N60	61082410	733
761.684-034	SANDER, PORTABLE MACHINE	2	1	1	2	L34	I57		7634	55N60	61082410	733
761.687-010	SANDER, HAND	1	1	1	2	L34	I57		7758	55N60	61082410	794
762.484-010	REEL ASSEMBLER	2	2	2	3	H4	I		7720	55E22	61080440	785
762.684-010	ASSEMBLER	2	2	1	3	M4	I5		7720	55E22	61080440	785
762.684-014	ASSEMBLER, COMPONENT	3	2	2	3	M46	I5		7720	55E22	61080440	785
762.684-018	ASSEMBLY OPERATOR	2	2	2	3	L4	I		7720	55E22	61080440	785
762.684-030	CURTAIN-STRETCHER ASSEMBLER	2	2	1	2	L4	I		7720	55E22	61080440	785
762.684-034	DOOR ASSEMBLER	2	1	1	3	M4	I		7720	55E22	61080440	785
762.684-046	HARDWARE ASSEMBLER	2	1	1	2	M4	I5		7720	55E22	61080440	785
762.684-050	NAILER, HAND	2	1	1	3	H346	I		7720	55E22	61080440	785
762.687-014	BOX INSPECTOR	2	1	2	2	L346	I		7820	55B58	50142202	796
762.687-022	CLAMP-JIG ASSEMBLER	2	2	2	2	M4	I		7720	55E22	61080440	785
762.687-030	DOOR CORE ASSEMBLER	2	1	1	2	M34	I57		7720	55E22	61080440	785
762.687-034	GLUER	2	2	2	3	M34	I5		7720	55T65	63000000	785
762.687-050	KNOCK-UP ASSEMBLER	2	1	1	2	M4	I		7720	55E22	61080440	785
763.684-014	CABINET ASSEMBLER	3	2	3	3	L46	I		7720	55E22	61080440	785
763.684-026	CASE FITTER	3	1	2	3	M346	I		7720	59002	63000000	785

*** PROGRAM: 48.0703 MILLWORK AND CABINET MAKING. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
769.684-022	FINAL INSPECTOR, SHUTTLE	3	2	2	4	L46	I		7820	55B58	50142202	796
769.684-046	SHUTTLE INSPECTOR	3	2	2	4	L46	I		7820	55B58	50142202	796
769.687-014	BOBBIN INSPECTOR	2	1	1	2	L4	I		7820	55B58	50142202	796
769.687-026	INSPECTOR	2	2	2	3	L46	I		7820	55B58	50142202	796
806.684-050	DOOR ASSEMBLER	3	2	1	3	M46	I5		7720	55E22	61080440	785
869.684-074	UTILITY WORKER	3	2	2	5	M2346	I5	48.0503 48.0504	7720	59002	63000000	785
899.684-030	PORTABLE SAWYER	3	2	1	3	M46	I56		7753	59002	63000000	786

PROGRAM: 48.0799 WOODWORKING, OTHER.

ANY INSTRUCTIONAL PROGRAM IN WOODWORKING NOT DESCRIBED ABOVE.

PROGRAM: 48.9900 PRECISION PRODUCTION, OTHER.

A GROUP OF INSTRUCTIONAL PROGRAMS IN PRECISION PRODUCTION NOT DESCRIBED ABOVE.

PROGRAM: 48.9999 PRECISION PRODUCTION, OTHER.

ANY INSTRUCTIONAL PROGRAM IN PRECISION PRODUCTION NOT DESCRIBED ABOVE.

PROGRAM: 49.0000 TRANSPORTATION AND MATERIAL MOVING.

A SUMMARY OF GROUPS OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS TO OPERATE AND CONTROL EQUIPMENT USED TO FACILITATE THE MOVEMENT OF PEOPLE OR MATERIALS.

PROGRAM: 49.0100 AIR TRANSPORTATION.

A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS TO ENGAGE IN ACTIVITIES CONCERNED WITH THE INFLIGHT OPERATION OF COMMERCIAL AND PRIVATE AIRPLANES, INCLUDING PILOTING, NAVIGATING, AND PROVIDING PASSENGER SERVICES, AND GENERAL GROUND SUPPORT.

PROGRAM: 49.0106 FLIGHT ATTENDANTS.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO PERFORM A VARIETY OF PERSONAL SERVICES CONDUCIVE TO THE SAFETY AND COMFORT OF AIRLINE PASSENGERS DURING FLIGHT, INCLUDING VERIFYING TICKETS, EXPLAINING THE USE OF SAFETY EQUIPMENT, AND SERVING PREVIOUSLY PREPARED MEALS AND BEVERAGES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
352.137-010	SUPERVISOR, AIRPLANE-FLIGHT ATTENDANT	4	3	4	7	L256	I5	06.0705 08.1103	5251	44014	70200001	456
352.367-010	AIRPLANE-FLIGHT ATTENDANT	4	3	3	3	L2345	I56	08.1103	5257	44012	70080200	465
352.367-014	FLIGHT ATTENDANT, RAMP	4	3	3	6	L56	I5	08.1103	5251	49000	70200099	456

PROGRAM: 49.0200 VEHICLE AND EQUIPMENT OPERATION.

A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS TO DRIVE TRUCKS AND BUSES, AND TO OPERATE CONSTRUCTION, MATERIAL HANDLING, AND MINING EQUIPMENT.

PROGRAM: 49.0201 VEHICLE AND EQUIPMENT OPERATION, GENERAL.

AN INSTRUCTIONAL PROGRAM THAT GENERALLY PREPARES INDIVIDUALS TO DRIVE TRUCKS AND BUSES AND TO OPERATE CONSTRUCTION, MATERIAL HANDLING, AND MINING EQUIPMENT.

PROGRAM: 49.0202 CONSTRUCTION EQUIPMENT OPERATION.
---------------------------------- AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO OPERATE AND MAINTAIN A VARIETY OF HEAVY EQUIPMENT, SUCH AS CRAWLER TRACTORS, MOTOR GRADERS AND SCRAPERS, AND SHOVELS, INCLUDING DRAGLINE, HOE AND CRANES. INCLUDES INSTRUCTION IN DIGGING, DITCHING, SLOPING, STRIPPING, GRADING, BACKFILLING, CLEARING, AND EXCAVATING.

DICTIONARY OF OCCUPATIONAL TITLES CODE	FOURTH EDITION TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
850.137-010	SUPERVISOR, CORE DRILLING	4	3	3	7	L456	05		6318	55B29	50040003	558
850.137-014	SUPERVISOR, LABOR GANG	4	2	3	6	M2356	0567		7100	55B29	50040003	633
850.137-018	SUPERVISOR, RIPRAP PLACING	4	3	2	6	L56	0		7100	55B29	50040003	633
850.467-010	GRADE CHECKER	3	2	2	4	L2346	0567		1472	59002	63000000	035
850.662-010	HORIZONTAL-EARTH-BORING-MACHINE OPERATOR	3	2	2	5	M2346	045	49.0204	6474	55B52	50021807	598
850.662-014	ROCK-DRILL OPERATOR 2	3	1	1	5	H2346	I4567		7678	55B52	50021807	769
850.663-010	DREDGE OPERATOR	3	2	2	5	M456	B45	49.0302	8316	55A96 55A98	80000605 50021803	853
850.663-014	ELEVATING-GRADER OPERATOR	3	1	1	6	M46	057		8317	55B52	50021807	855
850.663-018	LOCK TENDER 2	3	1	1	4	L346	I457		8245	55B52	50021807	834
850.663-022	MOTOR-GRADER OPERATOR	3	1	1	5	L46	057		8317	55B52	50021807	855
850.682-010	SHIELD RUNNER	3	1	1	5	L4	I56	49.0204	6540	59002	63000000	616
850.683-010	BULLDOZER OPERATOR 1	3	1	2	5	H23456	067	01.0204 49.0204	8317	55B52	50021807	855
850.683-014	DITCHER OPERATOR	3	1	1	4	L46	05		8317	55B52	50021807	855
850.683-018	DRAGLINE OPERATOR	3	2	2	5	M46	05	49.0204	8316	55A82	50140801	853
850.683-022	FORM-GRADER OPERATOR	3	2	1	4	L46	0		8317	55B52	50021807	855
850.683-026	MUCKING-MACHINE OPERATOR	3	1	1	3	L2456	I4567		8316	55B52	50021807	853
850.683-030	POWER-SHOVEL OPERATOR	3	1	1	5	M46	B5	49.0204	8316	55B52	50021807	853
850.683-034	ROCK-DRILL OPERATOR 1	3	2	2	5	L346	056		6474	59002	63000000	598
850.683-038	SCRAPER OPERATOR	3	1	2	5	L46	057		8317	55B52	50021807	855
850.683-042	TOWER-EXCAVATOR OPERATOR	3	1	1	5	L46	I5		8316	55B52	50021807	853
850.683-046	UTILITY-TRACTOR OPERATOR	3	1	1	4	L46	056		8317	55B52	50021807	855
851.663-010	SEPTIC-TANK INSTALLER	3	2	2	4	M346	056		8316	55B52	50021807	853
853.133-010	SUPERVISOR, ASPHALT PAVING	4	3	3	8	L56	B		7100	55B29	50040003	633
853.663-010	ASPHALT-PAVING-MACHINE OPERATOR	3	1	1	5	M346	05		6466	55B52	50021807	594
853.663-014	CONCRETE-PAVING-MACHINE OPERATOR	3	1	1	3	M46	04		6466	55B52	50021807	594
853.663-018	ROAD-OILING-TRUCK DRIVER	3	1	1	5	L46	05		6466	54001	62002201	594
853.663-022	STONE-SPREADER OPERATOR	3	1	1	5	L46	0		6466	55B52	50021807	594
853.665-010	ASPHALT-DISTRIBUTOR TENDER	2	2	1	2	L46	0567		6466	59003	80002899	594
853.683-010	CURB-MACHINE OPERATOR	3	2	1	4	H346	05		6466	55B52	50021807	594
853.683-014	HEATER-PLANER OPERATOR	3	1	1	3	M46	057		8317	55B52	50021807	855
853.683-018	JOINT-CLEANING-AND-GROOVING-MACHINE OPER	3	1	1	4	M346	057		6466	55B52	50021807	594
853.685-010	ASPHALT-HEATER TENDER	2	1	1	3	L4	0		6466	55A09	80000602	594
859.137-010	SUPERVISOR, GRADING	4	3	3	7	L56	05		8120	55B29	50040003	843
859.137-014	SUPERVISOR, PILE DRIVING	4	3	3	8	L56	0567		6318	55B29	50040003	558
859.682-014	FOUNDATION-DRILL OPERATOR	3	2	2	5	L46	057	49.0204	6474	55B52	50021807	598
859.682-018	PILE-DRIVER OPERATOR	3	2	2	5	M46	05		6476	55B52	50021807	599
859.683-010	OPERATING ENGINEER	4	2	2	6	M346	B56	49.0204	8312	55B52	50021807	844

*** PROGRAM: 49.0202 CONSTRUCTION EQUIPMENT OPERATION. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES CODE	FOURTH EDITION TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
859.683-014	OPERATING-ENGINEER APPRENTICE	4	2	2	6	M346	B56	49.0204	8312	55B52	50021807	844
859.683-018	RAILWAY-EQUIPMENT OPERATOR	3	2	2	4	M246	057		6466	55A27	50021810	594
859.683-026	ROAD-MIXER OPERATOR	3	1	1	5	L46	057		6466	55B52	50021807	594
859.683-030	ROAD-ROLLER OPERATOR	2	1	1	3	L46	05		6466	55B52	50021807	594
862.662-010	PIPE-CLEANING-AND-PRIMING-MACHINE OPERAT	3	2	2	6	L34	057		6479	59002	63000000	599
862.682-014	PIPE-WRAPPING-MACHINE OPERATOR	3	1	2	5	L4	057		6479	55C25	61088601	599
869.137-014	WRECKING SUPERVISOR	4	3	3	7	L2345	0567		7100	55B29	50040003	633
869.361-014	HYDRAULIC-JACK ADJUSTER	3	2	2	6	M2346	06		6479	59002	63000000	599
869.367-010	ASSISTANT CONSTRUCTION SUPERINTENDENT	3	3	3	7	L56	B5		6311	19000	20061699	558
869.662-010	LIFT-SLAB OPERATOR	4	2	3	7	M2346	06		6479	59001	50144899	599
869.667-014	SIGNALER	2	1	2	2	L46	B		8710	55T53	80002899	869
869.682-010	CIRCULAR SAW OPERATOR	3	1	2	5	M346	I5		6479	59002	63000000	599
869.682-014	CORE-DRILL OPERATOR	3	1	2	5	M346	I5		6479	55B04	61081804	599
869.683-010	FORM-TAMPER OPERATOR	2	1	2	3	H346	06		6466	55B32	50021806	594
869.683-014	RIGGER	3	1	2	4	H34	056		8314	55A82	50140801	848
869.683-018	TAMPING-MACHINE OPERATOR	3	1	2	5	L4	05		6466	55B32	50021806	594
910.663-010	TRACK-MOVING-MACHINE OPERATOR	3	2	2	4	V34	05		6467	55D25	80002899	599
910.682-010	TRACK REPAIRER	3	2	2	4	H346	05		6467	55D25	80002899	599
910.683-018	TRACK-SURFACING-MACHINE OPERATOR	3	2	2	3	V34	05		6467	55A27	50021810	599
910.683-022	TRANSFER-TABLE OPERATOR	3	1	2	3	M46	B5		8239	59002	63000000	826
919.683-022	STREET-SWEEPER OPERATOR	2	1	1	3	L46	B		8219	59002	63000000	814
921.130-010	RIGGING SUPERVISOR	4	3	3	8	M23456	B56		6000	55B29	50040003	503
921.133-010	CRANE-CREW SUPERVISOR	4	2	3	7	L5	05		7100	55B29	50040003	633
921.260-010	RIGGER	4	2	2	6	H2346	B56		6177	55B54	80002822	547
921.662-022	MARINE RAILWAY OPERATOR	3	2	2	4	H46	B		8314	55A82	50140801	848
921.663-010	BRIDGE-OR-GANTRY-CRANE OPERATOR	3	1	2	5	L46	I5		8315	55A82	50140801	849
921.663-026	HOIST OPERATOR	3	1	2	4	M456	B56	49.0204	8314	55A82	50140801	848
921.663-030	HOISTING ENGINEER	3	1	1	4	M456	B56	49.0204	8314	55A82	50140801	848
921.663-038	LOCOMOTIVE-CRANE OPERATOR	3	1	2	5	M46	B567		8315	55A82	50140801	849
921.663-042	MONORAIL CRANE OPERATOR	2	1	1	3	L46	I5		8315	55A82	50140801	849
921.663-046	PNEUMATIC-HOIST OPERATOR	2	1	1	3	V46	06		8319	55A82	50140801	859
921.663-050	SCRAPER-LOADER OPERATOR	3	1	2	4	H234	B567	49.0204	8314	55A82	50140801	848
921.663-054	TOWER-CRANE OPERATOR	3	1	2	5	L246	I		8315	55A82	50140801	849
921.663-058	TRACTOR-CRANE OPERATOR	3	1	1	4	M46	I5		8315	55A82	50140801	849
921.663-062	TRUCK-CRANE OPERATOR	3	1	1	5	M246	B57		8315	55A82	50140801	849
921.683-042	FRONT-END LOADER OPERATOR	2	1	1	3	M46	B57	49.0203	8318	55B57	62001001	856
921.683-050	INDUSTRIAL-TRUCK OPERATOR	2	1	1	3	M46	B	01.0204 49.0203	8318	55B57	62001001	856
921.683-070	STRADDLE-TRUCK OPERATOR	2	1	1	3	L246	B5	49.0203	8318	55B57 55F64	62001001 62001002	856
921.683-086	YARD WORKER	2	1	1	4	M346	B		8314	55A82	50140801	848
921.687-026	RIGGER HELPER	2	1	1	3	H34	06	03.0405	8637	59002	63000000	864
929.683-010	LOGGING-TRACTOR OPERATOR	3	1	1	4	M46	056	03.0405	8318	55B52	50021807	856
929.683-014	TRACTOR OPERATOR	3	1	1	3	M246	B5		8318	55D27	50021000	856
930.382-010	DRILLER, MACHINE	3	2	2	5	H46	0567	49.0204	6540	55B04	61081804	616
930.684-018	JACKHAMMER OPERATOR	2	2	1	2	H34	B5		6475	55A04	80000601	599
932.664-010	BRAKE HOLDER	2	1	1	3	M34	B	49.0204	8233	55A29	62001600	825
939.667-018	SHORE HAND, DREDGE OR BARGE	2	1	1	4	H234	04	49.0204 49.0302	8726	59002	63000000	883
955.463-010	SANITARY LANDFILL OPERATOR	2	1	1	5	L46	067		8317	55B52	50021807	855

PROGRAM: 49.0203 MATERIAL HANDLING.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO RECEIVE, STORE, SHIP, TRANSPORT, CONTROL, AND DISTRIBUTE PRODUCTS AND MATERIALS; KEEP RECORDS OF TRANSACTIONS; AND PROPERLY USE HAND TOOLS AND POWER EQUIPMENT SUCH AS BARS, CUTTERS, HAND TRUCKS, CONVEYORS, AND INDUSTRIAL TRUCKS TO MOVE MATERIALS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
519.663-014	HOT-CAR OPERATOR	2	1	2	3	L46	I3567	48.0502	8318	55B57	62001001	856
521.685-278	ROUTING-EQUIPMENT TENDER	2	2	1	3	M34	I567		8319	59002	63000000	859
521.685-366	TIPPLE TENDER	1	1	1	2	H4	I		8319	59003	80002899	859
524.565-010	TROLLEY OPERATOR	1	1	1	2	M4	I	20.0402	8319	55R90	80001020	859
529.685-102	DUMPING-MACHINE OPERATOR	1	1	1	2	L46	I		8319	59003	80002899	859
569.683-010	KILN-TRANSFER OPERATOR	2	1	1	3	M46	0		8319	55K42	80001006	859
569.685-066	STACKER, MACHINE	2	1	1	2	M46	I56		8319	55P89	80001014	859
575.683-010	BUCKET OPERATOR	2	1	1	3	L4	05		8319	55G63	61088814	859
579.685-050	SILO TENDER	2	2	1	3	M4	I57		8319	55R90	80001020	859
599.687-018	LEAD HANDLER	2	1	1	3	H34	I67		8769	59002	63000000	889
692.682-054	STACKING-MACHINE OPERATOR 1	3	2	3	4	L346	I5		8319	59002	63000000	859
784.687-030	FLOORWORKER- DISTRIBUTOR	2	1	1	2	L4	I	20.0303	7870	59003	80002899	796
788.687-046	FLOORWORKER, LASTING	2	1	2	2	L4	I5		7870	59003	80002899	796
806.367-010	UTILITY WORKER, LINE ASSEMBLY	3	2	3	4	M346	I5		7870	59002	63000000	796
806.384-022	ROCKET-TEST-FIRE WORKER	3	1	1	5	M46	B56		8314	59002	63000000	848
910.137-026	FREIGHT-LOADING SUPERVISOR	4	3	3	6	L56	0	06.0705	8500	55B29	50040003	863
910.167-010	CAR CHASER	3	2	3	6	L45	0		8113	55B29	50040003	823
910.667-018	LOADING INSPECTOR	3	2	3	4	L456	B		8280	55B58	50142202	689
910.667-022	PERISHABLE-FREIGHT INSPECTOR	3	2	3	3	L56	B		8280	55B58	50142202	689
911.137-018	HEADER	3	3	3	6	L56	B		8120	55B29	50040003	843
911.137-022	SUPERINTENDENT, STEVEDORING	4	3	3	7	L56	B	06.0705	7100	55B29	50040003	633
911.364-014	BOAT LOADER 1	2	2	2	3	M234	06		8243	59002	63000000	829
911.663-014	STEVEDORE 1	3	2	2	5	M46	0		8313	55B57 59002	62001001 63000000	845
911.667-014	HATCH TENDER	2	1	1	2	L4	05	49.0308	8769	55T53	80002899	889
911.687-010	BOAT-LOADER HELPER	2	1	1	2	V234	06		8769	59003	80002899	889
911.687-018	COAL TRIMMER	2	1	1	3	H4	0	49.0302	8314	55A82	50140801	848
919.664-010	TEAMSTER	2	1	1	3	M4	0		8319	59002	63000000	859
919.683-018	RAIL-TRACTOR OPERATOR	3	2	2	4	L46	05		8232	55B57	62001001	824
919.687-022	SUPPLIES PACKER	3	2	2	5	H34	02367		8726	59002	63000000	883
921.132-010	TRACK SUPERVISOR	3	2	2	4	L456	I7		8120	55B29	50040003	843
921.133-018	MATERIAL-HANDLING SUPERVISOR	4	2	3	7	L45	B	08.1106	7100	55B29	50040003	633
921.137-010	COAL-YARD SUPERVISOR	4	3	3	8	L45	B5		7100	55B29	50040003	633
921.137-014	MATERIAL-CREW SUPERVISOR	4	2	3	7	M2345	B		7100	55B29	50040003	633
921.365-010	GRAIN RECEIVER	2	2	1	2	L24	I7		7840	55J49	61086241	798
921.382-010	CONVEYOR OPERATOR, PNEUMATIC SYSTEM	3	2	2	4	L24	I		8319	59002	63000000	859
921.563-010	COKE LOADER	3	2	2	5	M23456	I67		8314	55R90	80001020	848
921.565-010	CEMENT LOADER	2	1	1	2	H234	I67		8319	59003	80002899	859
921.583-010	TRANSFER-CAR OPERATOR, DRIER	2	1	1	2	H3	I37		8318	59003	80002899	856
921.662-010	CAR-DUMPER OPERATOR	3	1	1	4	L4	B		8319	55B07	63000000	859
921.662-018	CONVEYOR-SYSTEM DISPATCHER	3	1	2	3	M45	I		8319	55R90	80001020	859
921.662-026	TIPPLE OPERATOR	2	1	1	3	M45	056		8319	55R90	80001020	859
921.663-018	CHIP UNLOADER	2	1	1	3	M246	0		8319	55R90	80001020	859
921.663-022	DERRICK OPERATOR	3	1	1	4	M46	B5		8315	55A82	50140801	849
921.664-010	LINE MOVER	3	1	1	3	M4	B5		8319	59002	63000000	859
921.665-010	CEMENT-BOAT-AND-BARGE LOADER	2	1	1	2	V34	0		8319	59003	80002899	859

*** PROGRAM: 49.0203 MATERIAL HANDLING. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
921.667-010	BOAT-HOIST-OPERATOR HELPER	1	1	1	2	H4	05		8769	56900	80002823	889
921.667-018	DUMPER	2	1	1	2	H24	B567		8726	55B07	63000000	883
921.667-022	LABORER, HOISTING	2	1	1	3	M23456	B56		8726	55T53	80002899	883
										59002	63000000	
921.682-010	LOADER, MALT HOUSE	2	1	1	3	M234	I7		8319	55K82	61086264	859
921.682-014	PALLETIZER OPERATOR 1	3	1	1	4	L4	I		8319	55R90	80001020	859
921.682-018	STACKER-AND-SORTER OPERATOR	2	1	1	3	M4	I		8319	59002	63000000	859
921.682-022	TRANSFER CONTROLLER	2	1	1	3	M46	I5		8314	55Q81	61088846	848
921.683-014	BOOM-CONVEYOR OPERATOR	2	1	1	3	L46	B57		8319	55R90	80001020	859
921.683-018	CANTILEVER-CRANE OPERATOR	3	2	2	5	L246	I		8315	55A82	50140801	849
921.683-026	CONVEYOR OPERATOR	3	1	2	4	H46	B5		8319	55R90	80001020	859
921.683-030	CUPOLA HOIST OPERATOR	3	1	2	4	L46	I		8314	55A82	50140801	848
921.683-034	DERRICK-BOAT OPERATOR	3	1	2	5	L46	B5		8315	55A82	50140801	849
921.683-038	ELEVATOR OPERATOR, FREIGHT	2	1	1	2	H4	I		5245	44076	70081800	454
921.683-042	FRONT-END LOADER OPERATOR	2	1	1	3	M46	B57	49.0202	8318	55B57	62001001	856
921.683-046	HYDRAULIC-BOOM OPERATOR	2	1	1	3	M46	I567		8314	55A82	50140801	848
921.683-050	INDUSTRIAL-TRUCK OPERATOR	2	1	1	3	M46	B	01.0204	8318	55B57	62001001	856
								49.0202				
921.683-062	SKIP OPERATOR	2	2	2	4	L46	B57		8319	55A82	50140801	859
921.683-066	SORTING-GRAPPLE OPERATOR	3	1	2	6	L456	I5	03.0403	8315	55A82	50140801	849
921.683-070	STRADDLE-TRUCK OPERATOR	2	1	1	3	L246	B5	49.0202	8318	55B57	62001001	856
										55F64	62001002	
921.683-074	TOWER-LOADER OPERATOR	3	2	3	5	L46	I5		8315	55A82	50140801	849
921.683-078	TRANSFER-CAR OPERATOR	2	1	1	2	M46	I		8319	55B57	62001001	859
921.683-082	WINCH DRIVER	3	1	2	4	L46	0		8314	55A82	50140801	848
921.685-010	BOAT LOADER 2	2	1	1	3	M46	0		8314	55A82	50140801	848
921.685-014	BULL-CHAIN OPERATOR	2	1	1	2	L4	I5	03.0403	8319	59003	80002899	859
921.685-018	CAGER OPERATOR	2	1	1	2	H4	I4		8319	59003	80002899	859
921.685-022	CHIP-BIN CONVEYOR TENDER	1	1	1	2	M46	B5		8319	55R90	80001020	859
921.685-026	CONVEYOR TENDER	1	1	1	2	M4	B5		8319	55R90	80001020	859
921.685-030	COOKER LOADER	1	1	1	2	L4	I47		8319	55R90	80001020	859
921.685-034	DRIER-TAKE-OFF TENDER	2	1	1	2	L4	I		8319	59003	80002899	859
921.685-038	DUMP OPERATOR	2	1	1	3	L46	B5		8319	55B07	63000000	859
921.685-042	ELECTRIC-FORK OPERATOR	1	1	1	2	H2346	056		8314	55A82	50140801	848
921.685-050	PRODUCTION-SUPPLY-EQUIPMENT TENDER	3	1	2	4	M4	I		8319	55R90	80001020	859
921.685-058	SPOUT TENDER	2	1	1	3	L246	I6		8319	59002	63000000	859
921.687-018	LOADER	2	1	2	3	M46	B		8726	59002	63000000	883
921.687-022	LOG LOADER HELPER	1	1	1	2	M2346	056	03.0405	8769	55N89	80001810	889
922.137-018	SUPERVISOR, LOADING AND UNLOADING	4	2	2	6	M5	B		7100	55B29	50040003	633
922.137-022	SUPERVISOR, OPEN-HEARTH STOCKYARD	4	2	2	8	M5	0567		7100	55B29	50040003	633
922.137-026	WAREHOUSE TRAFFIC SUPERVISOR	3	2	2	5	L45	B	08.1106	8120	55B29	50040003	843
922.587-010	PRIMING-MIXTURE CARRIER	2	1	2	2	L4	I6		8769	59003	80002899	889
922.667-010	YARD WORKER, USED BUILDING MATERIALS	2	2	2	3	M34	B6		8769	59002	63000000	889
922.687-050	INSTALLER	2	1	1	2	H246	I		8726	59003	80002899	883
922.687-058	LABORER, STORES	2	2	2	2	M4	I		8769	55C08	80002001	889
										59003	80002899	
922.687-090	STEVEDORE 2	2	1	1	2	V34	B		8723	59003	80002899	876
929.137-010	GENERAL-HANDLING SUPERVISOR	4	2	2	6	L5	I		7100	55B29	50040003	633
929.684-010	PACKER	2	1	2	3	M4	I6		8761	62004	40065002	888

*** PROGRAM: 49.0203 MATERIAL HANDLING. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
929.685-010	CRATE OPENER	2	1	1	2	M4	I		7667	59003	80002899	758
929.685-014	TYING-MACHINE OPERATOR	1	1	1	2	L4	I		7662	55525	63000000	754
929.685-018	TYING-MACHINE OPERATOR, LUMBER	2	1	1	2	H234	I6		7662	55525	63000000	754
929.686-010	BAKERY WORKER	1	1	1	2	M4	I5	20.0402	8725	59003	80002899	878
929.687-014	KILN DRAWER	2	1	1	2	H234	I37		8769	59003	80002899	889
929.687-022	LABORER, SALVAGE	2	1	1	2	M346	I		8769	59003	80002899	389
929.687-030	MATERIAL HANDLER	2	1	1	3	V234	B234567		8726	55R46 55S89	80001023 61088072	883
929.687-034	MUNITIONS HANDLER	2	1	1	2	H34	B6		8726	59003	80002899	883
929.687-046	SCALER-PACKER	2	1	2	3	M46	I25		7840	55T43	80002899	798
951.686-010	FUEL-HOUSE ATTENDANT	2	1	1	2	M4	I5		8725	55C90	61085602	878

PROGRAM: 49.0204 MINING EQUIPMENT OPERATION.

AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO ENGAGE IN MINING OPERATIONS ACTIVITIES; OPERATE EXCAVATING MACHINERY AND SHUTTLE CARS; TEST FOR AND IDENTIFY GASES IN THE MINE; AND MAINTAIN TESTING EQUIPMENT. INCLUDES INSTRUCTION IN FIRST AID; VENTILATION AND DUST CONTROL IN THE MINE; TECHNIQUES OF ROOFING, RIBBING, AND SETTING CROSSBARS; ESCAPE PROCEDURES; AND MAINTENANCE OF PNEUMATIC AND HYDRAULIC SYSTEMS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
000.000-000									6540	55A12 55B55 55D21	61081801 61081805 61083637	616
519.683-014	LARRY OPERATOR	2	1	2	3	M46	B3567		8318	55S49	61020438	856
549.137-014	SUPERVISOR, PREPARATION PLANT	4	3	3	7	L456	B57	15.0901	7100	55B29	50040003	633
670.362-010	GANG SAWYER, STONE	3	2	1	5	M24	I5		7478	55N65	61085014	769
677.462-010	CIRCULAR SAWYER, STONE	3	2	1	4	M4	I45		7478	55N65	61085014	769
677.462-014	WIRE SAWYER	3	2	1	5	H4	I45		7478	55N65	61085014	769
677.486-010	CIRCULAR-SAWYER HELPER	2	1	1	3	H46	I45		8619	59002	63000000	873
677.666-010	SPLITTING-MACHINE-OPERATOR HELPER	1	1	1	2	H4	I567		8618	59003	80002899	873
677.682-022	STONECUTTER, MACHINE	3	2	1	6	M46	I567	46.0102	7678	55Q21	61082412	769
706.361-010	ASSEMBLER	3	2	3	5	M346	I6	47.0304	6812	55E22	61080440	636
850.662-010	HORIZONTAL-EARTH-BORING-MACHINE OPERATOR	3	2	2	5	M2346	O45	49.0202	6474	55B52	50021807	598
850.663-026	STRIPPING-SHOVEL OPERATOR	3	1	1	5	M246	I56		8316	55B52	50021807	853
850.682-010	SHIELD RUNNER	3	1	1	5	L4	I56	49.0202	6540	59002	63000000	616
850.683-010	BULLDOZER OPERATOR 1	3	1	2	5	H23456	O67	01.0204 49.0202	8317	55B52	50021807	855
850.683-018	DRAGLINE OPERATOR	3	2	2	5	M46	O5	49.0202	8316	55A82	50140801	853
850.683-030	POWER-SHOVEL OPERATOR	3	1	1	5	M46	B5	49.0202	8316	55B52	50021807	853
850.684-014	HORIZONTAL-EARTH-BORING-MACHINE-OPERATOR	2	1	1	2	H2346	O45		8648	59003	80002899	865
859.137-018	SUPERVISOR, TUNNEL HEADING	4	3	3	7	L56	I4567		6311	55B29	50040003	558
859.682-010	EARTH-BORING-MACHINE OPERATOR	3	1	1	4	M46	O5		6474	55B52	50021807	598
859.682-014	FOUNDATION-DRILL OPERATOR	3	2	2	5	L46	O57	49.0202	6474	55B52	50021807	598
859.683-010	OPERATING ENGINEER	4	2	2	6	M346	B56	49.0202	8312	55B52	50021807	844
859.683-014	OPERATING-ENGINEER APPRENTICE	4	2	2	6	M346	B56	49.0202	8312	55B52	50021807	844
899.684-034	SHAFT MECHANIC	3	1	2	5	H2346	B67		6560	59002	63000000	617
919.663-014	DINKEY OPERATOR	3	2	2	4	L46	B56		8232	55B98	63000000	824
921.133-014	LOAD-OUT SUPERVISOR	3	2	3	4	M56	B5		8120	55B29	50040003	843
921.663-026	HOIST OPERATOR	3	1	2	4	M456	B56	49.0202	8314	55A82	50140801	848
921.663-030	HOISTING ENGINEER	3	1	1	4	M456	B56	49.0202	8314	55A82	50140801	848
921.663-050	SCRAPER-LOADER OPERATOR	3	1	2	4	H234	B567	49.0202	8314	55A82	50140801	848
921.683-022	COAL-EQUIPMENT OPERATOR	3	2	3	4	M46	B567		8319	55B52	50021807	859
930.382-010	DRILLER, MACHINE	3	2	2	5	H46	O567	49.0202	6540	55B04	61081804	616
930.383-010	CHANNELING-MACHINE RUNNER	3	2	1	4	M4	O5		6540	59002	63000000	616
930.482-010	DRILLING-MACHINE OPERATOR	3	2	1	6	M46	I56		6540	55B04	61081804	616
930.663-010	SHALE PLANER OPERATOR	3	2	3	4	M2346	O45		6540	59002	63000000	616
930.665-010	LONG-WALL-MINING-MACHINE TENDER	3	2	2	5	L456	I57		6540	55B80	61083623	616
930.666-010	DRILLER HELPER	2	2	2	2	H46	O56		8650	59003	80002899	867
930.666-014	TAILER	2	1	1	3	L456	I57		6560	55B81	61083624	617
930.667-010	SHALE PLANER OPERATOR HELPER	2	1	1	2	H234	O24		8650	59003	80002899	867
930.682-010	CORE-DRILL OPERATOR	3	2	2	6	M4	B56	47.0305	6474	55C59	61081808	598
930.683-010	CONTINUOUS-MINING-MACHINE OPERATOR	3	2	2	5	M346	I567		6540	55A74	61083612	616
930.683-014	CUTTER OPERATOR	3	2	2	6	M346	I567		6540	55A86	61083615	616
930.683-022	HARVESTER OPERATOR	3	1	1	4	L4	O		8316	55B52	50021807	853
930.683-026	ROOF BOLTER	3	1	1	4	M456	I567		6560	55C57	50020202	617

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*** PROGRAM: 49.0204 MINING EQUIPMENT OPERATION. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
930.684-010	FLAME CHANNELER	2	1	1	4	M46	0567		6540	55B04	61081804	616
930.684-022	QUARRY PLUG-AND-FEATHER DRILLER	2	1	1	4	H346	0567		6475	55C47	61083627	599
930.687-014	CORE-DRILL-OPERATOR HELPER	2	2	2	2	H45	B456		8648	59003	80002899	865
930.687-018	CUTTER-OPERATOR HELPER	2	1	1	2	H34	I567		8769	59003	80002899	889
931.261-010	BLASTER	4	3	2	7	M2346	B567		6530	55A21	61080601	615
931.664-010	TIER-AND-DETONATOR	2	2	2	2	M34	06		6530	55A21	61080601	615
931.667-010	POWDER LOADER	2	2	2	2	M34	06		8710	59001	50144899	869
932.132-010	BANK BOSS	4	3	3	7	L456	0	15.0901	6320	55B29	50040003	613
932.132-014	SURFACE SUPERVISOR	4	3	4	8	L56	B5	15.0901	6320	55B29	50040003	613
932.167-010	DISPATCHER	4	3	3	6	L5	I	15.0901	4751	55A90	50040002	359
932.664-010	BRAKE HOLDER	2	1	1	3	M34	B	49.0202	8233	55A29	62001600	825
932.664-014	SPOUT TENDER	2	1	2	2	M46	05		6960	59003	80002899	699
932.667-010	BOTTOMER 1	2	1	1	3	H4	B67		8726	55A26	61083602	883
932.683-010	CAR DROPPER	2	1	1	3	M34	B		8319	55A26	61083602	859
932.683-014	LOADING-MACHINE OPERATOR	3	2	2	5	M46	I567		8316	55B57	62001001	853
932.683-018	MECHANICAL-SHOVEL OPERATOR	3	2	2	5	M46	I57		8316	55B78	61083622	853
932.683-022	SHUTTLE-CAR OPERATOR	3	2	2	4	M46	I57		6319	55C83	61083635	859
932.685-010	AERIAL-TRAM OPERATOR	2	1	1	3	L456	B		8316	55B52	50021807	853
933.664-010	CRUSHER SETTER	2	1	1	3	M4	I5		6560	55S98	61083646	617
933.687-010	GRIZZLY WORKER	1	1	1	2	H34	B567		8769	59003	80002899	889
934.685-010	CONE OPERATOR	2	1	1	3	L346	I57		7666	55R62	61083645	757
934.685-014	SAND PLANT ATTENDANT	2	2	1	2	M346	046		6960	59003	80002899	699
934.685-018	SHAKER TENDER	2	2	1	3	M34	I57		7666	55C80	61083634	757
934.685-022	SPIRAL RUNNER	2	1	1	4	M4	I5		7666	55R62	61083645	757
934.687-010	FOOT WORKER	2	1	1	2	M4	I		8769	59003	80002899	889
939.130-010	SUPERVISOR, POND	4	3	3	7	L45	B	15.0902	7100	55B29	50040003	633
939.131-010	QUARRY SUPERVISOR, OPEN PIT	4	3	3	7	L2345	056	15.0902	6320	55B29	50040003	613
939.132-010	DREDGE OPERATOR SUPERVISOR	4	3	3	7	M456	04	49.0302	6320	55B29	50040003	613
939.137-014	PIT SUPERVISOR	4	3	3	7	L456	0	15.0901 15.0902	7100	55B29	50040003	633
939.137-018	SECTION SUPERVISOR	4	3	3	7	M456	I567	15.0901 15.0902	7100	55B29	50040003	633
939.137-022	SUPERVISOR, HARVESTING	3	3	3	5	L5	045	15.0902	6320	55B29	50040003	613
939.167-010	CONTROLLER, COAL OR ORE	3	3	3	6	S456	B5		7100	62900	40066899	633
939.281-010	MINER 1	4	3	2	6	V2346	I567		6560	59002	63000000	617
939.362-014	PANELBOARD OPERATOR	4	3	3	5	L456	B57		6960	55C20	61083643	699
939.382-010	DRY-PLACER-MACHINE OPERATOR	3	2	1	4	M4	05		6540	59002	63000000	616
939.485-010	SANDFILL OPERATOR	2	2	1	3	M245	B		8319	55S04	61083654	859
939.585-010	DUST SAMPLER	2	2	2	3	L4	I7		7840	55N52	80002899	798
939.667-010	CAGER	2	1	2	3	H345	B5		8726	55A26	61083602	883
939.667-014	QUARRY WORKER	2	1	1	2	H234	07		6560	59003	80002899	617
939.667-018	SHORE HAND, DREDGE OR BARGE	2	1	1	4	H234	04	49.0202 49.0302	8726	59002	63000000	883
939.682-010	MONITOR CAR OPERATOR	3	2	1	6	L45	I56		8319	55S48	61083857	859
939.684-010	JACK SETTER	3	2	1	5	M46	I6		6560	55C57	50020202	617
939.684-014	MINER, PLACER	3	1	1	4	H234	04		6560	59002	63000000	617
939.685-010	POND TENDER	2	2	1	4	M46	045		7676	59002	63000000	757
939.685-014	WASHER-AND-CRUSHER TENDER	2	2	2	3	L46	I5		7666	59002	63000000	757
939.686-010	LOADING-MACHINE-OPERATOR HELPER	2	1	1	3	M34	I57		8319	59002	63000000	859
939.687-026	ROCK-DUST SPRAYER	2	1	1	2	M34	I7		6560	55C56	61083644	617
939.687-034	SAND FILLER	2	1	1	2	M4	B4		8769	59003	80002899	889

PROGRAM: 49.0205 TRUCK AND BUS DRIVING. AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO DRIVE TRUCKS AND BUSES. INCLUDES INSTRUCTION IN OPERATING GAS, DIESEL, OR ELECTRICALLY-POWERED VEHICLES; LOADING AND UNLOADING CARGO OR PASSENGERS; REPORTING DELAYS OR ACCIDENTS ON THE ROAD; VERIFYING LOAD AGAINST SHIPPING PAPERS; ARRANGING TRANSPORTATION FOR PERSONNEL; AND KEEPING RECORDS OF RECEIPTS AND FARES.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
900.683-010	CONCRETE-MIXING-TRUCK DRIVER	3	1	1	3	L4	B5		8213	54001	62002201	804
902.683-010	DUMP-TRUCK DRIVER	3	1	1	2	M46	B		8213	54001	62002201	804
903.683-010	EXPLOSIVES-TRUCK DRIVER	3	1	2	3	M346	B6		8213	54002	62002201	804
903.683-014	POWDER-TRUCK DRIVER	3	1	2	3	M346	B6		8213	54001	62002201	804
903.683-018	TANK-TRUCK DRIVER	3	1	2	3	M34	B		8213	54001	62002201	804
904.383-010	TRACTOR-TRAILER-TRUCK DRIVER	3	2	3	4	M346	B5		8212	54003	62002201	804
904.683-010	LOG-TRUCK DRIVER	3	1	2	4	M46	B6	03.0405	8212	54003	62002201	804
905.483-010	MILK DRIVER	3	2	2	3	M246	I	01.0502	8213	54001	62002201	804
905.663-010	GARBAGE COLLECTOR DRIVER	3	1	1	3	M46	I5		8213	54001	62002201	804
905.663-014	TRUCK DRIVER, HEAVY	3	2	2	4	L346	B5		8213	54001	62002201	804
905.663-018	VAN DRIVER	3	2	3	4	V23456	B5		8212	54001 54003	62002201 62002201	804
905.683-010	WATER-TRUCK DRIVER 2	3	1	2	3	M46	B5		8213	54001	62002201	804
905.687-010	TRUCK-DRIVER HELPER	2	1	1	2	H234	B5		8726	55T32	80002899	883
905.687-014	VAN-DRIVER HELPER	2	1	1	3	V234	B		8726	55T32	80002899	883
906.683-010	FOOD-SERVICE DRIVER	2	1	1	3	M46	B5		8214	54002	62002201	805
906.683-014	LIQUID-FERTILIZER SERVICER	3	1	1	3	M46	B7	01.0502	8214	54001	62002201	805
906.683-022	TRUCK DRIVER, LIGHT	3	2	2	3	M346	B		8214	54002	62002201	805
909.137-010	DRIVER SUPERVISOR	4	3	4	7	L56	I		7100	55B29	50040003	633
909.137-018	TRUCK SUPERVISOR	4	3	4	8	L45	O	06.0705	7100	55B29	50040003	633
909.663-010	HOSTLER	3	2	2	4	M246	B5		8212	54001 54003 55A36	62002201 62002201 62000401	804
913.363-010	BUS DRIVER, DAY-HAUL OR FARM CHARTER	3	2	2	3	M456	I	01.0502	8215	55A36	62000401	808
913.463-010	BUS DRIVER	3	2	2	5	M456	I5		8215	55A36 55V05	62000401 62000402	808
913.663-010	CHAUFFEUR	3	2	2	3	L46	B		8216	55T48	62002007	809
913.663-014	MOBILE-LOUNGE DRIVER	3	2	2	3	L46	I		8215	55A36	62000401	808
919.223-010	INSTRUCTOR, BUS, TROLLEY, AND TAXI	4	3	3	6	L456	I		2390	55B61	50144813	159
919.663-018	DRIVER-UTILITY WORKER	3	1	1	4	M346	I		8213	54001	62002201	804
919.663-026	TOW-TRUCK OPERATOR	2	1	2	3	M34	B5		8213	54001	62002201	804
939.663-010	OBSERVER HELPER, GRAVITY PROSPECTING	2	2	1	3	M34	O	47.0305	8650	54002	62002201	867
953.583-010	DRIP PUMPER	3	2	2	3	L46	B		8213	55T97	63000000	804

PROGRAM: 49.0299 VEHICLE AND EQUIPMENT OPERATION, OTHER. ANY INSTRUCTIONAL PROGRAM IN VEHICLE AND EQUIPMENT OPERATION NOT DESCRIBED ABOVE.

PROGRAM: 49.0300 **WATER TRANSPORTATION.** A GROUP OF INSTRUCTIONAL PROGRAMS THAT PREPARE INDIVIDUALS TO PERFORM TASKS ON FRESH-WATER AND SEA-GOING SHIPS, TUGBOATS, BARGES, FLOATING STRUCTURES, AND RELATED HARBOR AND DOCK MACHINERY. INCLUDES INSTRUCTION IN FIREFIGHTING; LIFEBOAT WORK; SWIMMING; FIBER AND WIRE ROPE HANDLING AND SPLICING; HULL MAINTENANCE AND PAINTING; CARGO-HANDLING; GEAR AND GROUND TACKLE; MAINTENANCE, OPERATION, AND REPAIR OF MAIN ENGINES AND AUXILIARY STEAM, REFRIGERATION, WATER, AND ELECTRICAL SYSTEMS; AND WATCHKEEPING, STOREKEEPING, AND FOOD PREPARATION.

PROGRAM: 49.0301 **WATER TRANSPORTATION, GENERAL.** AN INSTRUCTIONAL PROGRAM THAT GENERALLY PREPARES INDIVIDUALS TO PERFORM TASKS ON FRESH-WATER AND SEA-GOING SHIPS, TUGBOATS, BARGES, FLOATING STRUCTURES, AND RELATED HARBOR AND DOCK MACHINERY. INCLUDES INSTRUCTION IN FIREFIGHTING; LIFEBOAT WORK; SWIMMING, FIBER AND WIRE ROPE HANDLING AND SPLICING; HULL MAINTENANCE AND PAINTING; CARGO-HANDLING, GEAR AND GROUND TACKLE; MAINTENANCE, OPERATION, AND REPAIR OF MAIN ENGINES AND AUXILIARY STEAM, REFRIGRATION, WATER, AND ELECTRICAL SYSTEMS; AND WATCHKEEPING, STOREKEEPING, AND FOOD PREPARATION.

PROGRAM: 49.0302 **BARGE AND BOAT OPERATION.** AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO DIRECT THE OPERATION AND NAVIGATION OF BARGES, DREDGES, NON-CABLE FERRYBOATS, AND TUGBOATS TO TRANSPORT PEOPLE AND MATERIALS, TO TOW OTHER MARINE VESSELS, AND TO DREDGE WATERWAYS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
197.133-014	MASTER, YACHT	4	4	4	8	L456	B		8241	10055	20060801	828
197.133-022	MATE, SHIP	4	4	4	7	L23456	I6		8241	55B29	50040003	828
197.133-026	PILOT, SHIP	4	4	3	8	L2456	B4		8241	10056	20060802	828
197.133-030	TUGBOAT CAPTAIN	4	3	3	8	M456	B4		8242	10055	20060801	828
197.133-034	TUGBOAT MATE	4	3	3	7	M23456	B46		8242	55B29	50040003	828
197.137-010	DREDGE MATE	4	4	3	7	L456	B		8242	55B29	50040003	828
197.161-010	DREDGE CAPTAIN	4	4	3	8	L56	B		8242	10055	20060801	828
197.163-010	FERRYBOAT CAPTAIN	4	4	4	7	L56	B		8241	10055	20060801	828
197.163-014	MASTER, PASSENGER BARGE	4	4	4	7	L56	B		8242	10055	20060801	828
197.163-018	MASTER, RIVERBOAT	4	4	4	7	L56	B		8241	10055	20060801	828
197.167-010	MASTER, SHIP	6	6	5	8	L56	B		8241	10055	20060801	828
197.167-014	PURSER	4	3	3	7	S456	I		1490	19000	20061699	037
850.663-010	DREDGE OPERATOR	3	2	2	5	M456	B45	49.0202	8316	55A96 55A98	80000605 50021803	853
911.137-010	BARGE CAPTAIN	4	3	3	6	M456	B		8242	10055	20060801	828
911.137-014	DERRICK-BOAT CAPTAIN	4	3	3	7	L56	B		8242	10055	20060801	828
911.167-010	DISPATCHER, TUGBOAT	4	3	4	6	S5	I		4751	62900	40066899	359
911.363-010	FERRYBOAT OPERATOR	3	2	2	6	L3456	B5		8242	10055	20060801	828
911.363-014	QUARTERMASTER	3	3	3	6	L2456	B		8243	55T51	61084802	829
911.663-010	MOTORBOAT OPERATOR	3	2	3	5	M46	I		8242	55V08	62000200	828
911.687-018	COAL TRIMMER	2	1	1	3	H4	O	49.0203	8314	55A82	50140801	848
939.132-010	DREDGE OPERATOR SUPERVISOR	4	3	3	7	M456	O4	49.0204	6320	55B29	50040003	613
939.667-018	SHORE HAND, DREDGE OR BARGE	2	1	1	4	H234	O4	49.0202 49.0204	8726	59002	63000000	883

PROGRAM: 49.0306 MARINE MAINTENANCE.
-------------------- AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO REPAIR OUTBOARD AND INBOARD ENGINES; TEST, MAINTAIN, AND REPAIR STEERING DEVICES, AND ELECTRICAL SYSTEMS, REPAIR METAL, WOOD, AND FIBERGLASS; FABRICATE AND MAINTAIN SAIL; AND REPAIR AND BALANCE PROPELLERS.

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
187.167-130	MANAGER, MARINE SERVICE	4	3	3	8	L2456	B45	49.0305	6000	19000	20061699	503
623.131-010	MACHINIST SUPERVISOR, OUTSIDE	4	3	3	8	M3456	B		6700	55B29	50040003	633
623.131-014	SUPERVISOR, GEAR REPAIR	4	3	3	7	L456	B5	06.2001	6000	55B29	50040003	503
623.261-010	EXPERIMENTAL MECHANIC, OUTBOARD MOTORS	4	4	4	7	M23456	B5		6114	51057	50083299	509
623.261-014	OUTBOARD-MOTOR TESTER	4	3	3	6	M456	I5		6114	51057	50083299	509
623.281-010	DECK ENGINEER	4	3	3	7	M346	O56	49.0308	6130	51042	50081806	518
623.281-018	MACHINIST APPRENTICE, MARINE ENGINE	4	3	3	7	M346	B	49.0308	6112	51019	50083222	507
623.281-022	MACHINIST APPRENTICE, OUTSIDE	4	3	3	7	M2346	B5		6130	51042	50081806	518
623.281-026	MACHINIST, MARINE ENGINE	4	3	3	7	M346	B		6112	51019	50083222	507
623.281-030	MACHINIST, OUTSIDE	4	3	3	7	M2346	B5		6130	51042	50081806	518
623.281-034	MAINTENANCE MECHANIC, ENGINE	3	3	3	7	M346	I5	49.0308	6130	51042	50081806	518
623.281-038	MOTORBOAT MECHANIC	4	3	3	7	M23456	B		6114	51057	50083299	509
623.281-042	OUTBOARD-MOTOR MECHANIC	4	3	3	7	H456	I57		6114	51057	50083299	509
623.381-010	GEAR REPAIRER	3	2	3	6	H346	B5		6179	51900	50083299	547
623.684-010	MOTORBOAT-MECHANIC HELPER	2	1	2	3	M4	B		8632	56900	80002823	864
623.687-010	MACHINIST HELPER, OUTSIDE	2	1	2	3	H346	B5		8633	56900	80002823	864
661.131-010	LOFT WORKER, HEAD	4	4	3	8	L3456	I		7100	55B29	50040003	633
661.281-010	LOFT WORKER	4	4	3	7	L346	I		6831	55K30	61088852	656
661.281-014	LOFT WORKER APPRENTICE	4	4	3	7	L346	I		6831	55K30	61088852	656
739.381-010	CANVAS WORKER	4	3	2	7	M2346	B		6859	59001	50144899	674
739.381-014	CANVAS-WORKER APPRENTICE	4	3	2	7	M2346	B		6859	59001	50144899	674
781.381-030	SAIL-LAY-OUT WORKER	4	3	2	8	M3456	I		6859	55M08	63000000	674
781.384-018	SAIL CUTTER	3	2	2	4	L346	I		7753	55S78	63000000	786
789.261-010	BOAT-CANVAS MAKER-INSTALLER	3	3	3	6	M2345	B		6859	59001	50144899	674
804.684-010	CUTTER, ALUMINUM SHEET	2	1	1	2	M346	I5	48.0506	7529	59003	80002899	715
804.684-014	EXTRUSION BENDER	3	2	2	4	L346	I5		7720	59002	63000000	785
806.131-010	SUPERVISOR, ALUMINUM BOAT ASSEMBLY	4	3	3	8	M3456	I5		7100	55B29	50040003	633
806.131-018	SUPERVISOR, BOAT OUTFITTING	4	3	2	8	L23456	I		7100	55B29	50040003	633
806.131-030	SUPERVISOR, RIGGER	4	3	2	8	L45	O		7100	55B29	50040003	633
806.131-034	SUPERVISOR, SHIPFITTERS	4	3	2	8	M45	B		6700	55B29	50040003	633
806.134-014	SUPERVISOR, FIBERGLASS BOAT ASSEMBLY	4	3	4	8	M23456	I7		7100	55B29	50040003	633
806.261-014	RIGGER	4	2	2	7	H23456	B6		6177	55D02	50144812	547
806.261-018	RIGGER APPRENTICE	4	2	2	7	H23456	B6		6177	55D02	50144812	547
806.264-010	HULL INSPECTOR	4	2	2	8	L2346	B		7820	55B58	50142202	796
806.381-046	SHIPFITTER	4	3	2	8	H2346	O56		6821	55P16	50143400	646
806.381-050	SHIPFITTER APPRENTICE	4	3	2	8	H2346	O56		6821	55P16	50143400	646
806.464-010	BOAT RIGGER	3	2	1	4	M46	B		7720	55E22	61080440	785
806.481-010	ASSEMBLER, ALUMINUM BOATS	3	2	2	5	M34	I5		6812	55E22	61080440	636
806.484-014	BOAT OUTFITTER	3	1	2	4	M346	I		7720	55E22	61080440	785
806.684-022	ASSEMBLER, DECK AND HULL	3	1	1	3	H34	I5		7720	55E22	61080440	785
806.684-026	ASSEMBLER, INSULATION AND FLOORING	2	1	1	3	M34	I		7720	55E22	61080440	785
806.684-054	FIBERGLASS LAMINATOR	3	2	1	4	M346	I7		7720	59002	63000000	785
806.684-102	OUTFITTER, CABIN	3	2	2	5	M234	I		7720	59002	63000000	785
806.684-106	OVERLAY PLASTICIAN	2	1	1	4	M34	B7		7720	55E22	61080440	785
806.684-122	RIGGER HELPER	3	1	1	5	H34	O		8637	56900	80002823	864
806.687-026	INSPECTOR, ALUMINUM BOAT	2	1	2	3	M346	I5		7820	55B58	50142202	796

*** PROGRAM: 49.0306 MARINE MAINTENANCE. CONTINUED ***

DICTIONARY OF OCCUPATIONAL TITLES FOURTH EDITION CODE	TITLE	GED R	GED M	GED L	S V P	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER C I P PROGRAM	1980 SOC CODE	O E S SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
806.687-042	OUTBOARD-MOTOR INSPECTOR	3	2	2	4	L456	I		7820	55B58	50142202	796
806.687-046	ROLLER	2	1	1	3	M34	I7		7720	59002	63000000	785
806.687-050	SHIPFITTER HELPER	2	1	1	2	H234	B56		8619	56900	80002823	873
807.361-014	BOAT REPAIRER	4	3	3	7	M23456	I6		6179	55D90	61088615	547
807.684-014	BOAT PATCHER, PLASTIC	3	1	1	4	M346	B57		6179	55D90	61088615	547
809.381-030	PNEUMATIC-TOOL OPERATOR	3	2	2	7	M2346	O56		6829	59001	50144899	655
809.667-010	HULL AND DECK REMOVER	2	1	1	3	H34	I		7740	59002	63000000	785
809.684-022	FINISHER, FIBERGLASS BOAT PARTS	2	1	1	3	L2346	I5		7758	59002	63000000	794
809.687-026	MOLD PREPARER	2	1	1	2	L34	I		8750	59003	80002899	887
825.381-030	ELECTRICIAN	4	3	3	8	M2346	I6	46.0302 47.0105 49.0308	6432	55B12	50021401	575
825.381-034	ELECTRICIAN APPRENTICE	4	3	3	8	M2346	I6	46.0302	6432	55B12	50021401	576
840.381-014	PAINTER APPRENTICE, SHIPYARD	3	2	2	7	M2346	B67		6442	55C12	50022200	579
840.381-018	PAINTER, SHIPYARD	3	2	2	7	M2346	B67	46.0408	6442	55C12	50022200	579
843.384-010	WOOD CALKER	2	1	1	3	M234	B		7759	59002	63000000	795
860.281-014	CARPENTER, SHIP	4	3	3	7	M2346	B56	46.0201	6422	55A47	50020201	567
860.381-014	BOATBUILDER APPRENTICE, WOOD	4	4	4	7	M2346	B5	46.0201	6422	55A47	50020201	569
860.381-018	BOATBUILDER, WOOD	4	4	4	7	M2346	B5	46.0201	6422	55A47	50020201	567
860.381-050	JOINER	4	3	3	7	M2346	I56	46.0201	6422	55A47	50020201	567
860.381-054	JOINER APPRENTICE	4	3	3	7	M2346	I56	46.0201	6422	55A47	50020201	569
860.381-058	SHIPWRIGHT	4	4	3	8	M2346	O56	46.0201	6422	55P17	50020204	567
860.381-062	SHIPWRIGHT APPRENTICE	4	4	3	8	M2346	O56	46.0201	6422	55P17	50020204	569
860.664-014	JOINER HELPER	3	2	1	4	M346	B56	46.0201	8642	56003	80002823	865
860.664-018	SHIPWRIGHT HELPER	2	1	1	4	H234	O56	46.0201	8642	56900	80002823	865
869.281-018	YARD INSPECTOR	4	3	3	7	L46	B5		6881	55B58	50142202	689
869.684-078	VENEER STAPLER	3	1	2	4	M46	B		7720	59002	63000000	785
891.131-010	DOCK SUPERVISOR	4	3	3	7	L45	B5		6000	55B29	50040003	503
891.684-010	DOCK HAND	2	1	2	3	H234	O45		6179	59002	63000000	547
899.131-022	UTILITY SUPERVISOR, BOAT AND PLANT	4	3	3	7	M456	I56		8500	55B29	50040003	863
911.584-010	MARINE OILER	3	2	2	4	M4	I5		8244	55C06	61084000	833
911.687-014	CLEANER 3	2	1	1	2	M34	B357		8750	59003	80002899	887
911.687-026	LINES TENDER	2	1	1	2	H4	O		8769	59003	80002899	889

PROGRAM: 49.0308 SAILORS AND DECKHANDS.
AN INSTRUCTIONAL PROGRAM THAT PREPARES INDIVIDUALS TO USE AND MAINTAIN LINES, NETS, NAVIGATIONAL AIDS, RADIOS, AND ELECTRONIC EQUIPMENT; SAFELY HANDLE BOATS; MAINTAIN DOCKS, SURFACES, ENGINES, AND POWER PLANTS; AND OTHER OCEAN SKILLS THAT PROMOTE SAFETY AND SURVIVAL AT SEA.

DICTIONARY OF OCCUPATIONAL TITLES CODE	FOURTH EDITION TITLE	GED R	GED M	GED L	SVP	PHYSICAL DEMANDS	WORKING CONDITIONS	OTHER CIP PROGRAM	1980 SOC CODE	OES SURVEY CODE	MATRIX CODE	1980 CENSUS CODE
197.130-010	ENGINEER	4	3	3	8	M23456	I3467	15.0804	8244	55T54	50144026	833
197.133-018	MATE, FISHING VESSEL	4	4	4	7	M23456	B46	49.0303	8241	00000	20060801	497
449.664-010	NET REPAIRER	3	1	2	6	H2346	04		5830	00000	80002899	498
623.281-010	DECK ENGINEER	4	3	3	7	M346	056	49.0306	6130	51042	50081806	518
623.281-018	MACHINIST APPRENTICE, MARINE ENGINE	4	3	3	7	M346	B	49.0306	6112	51019	50083222	507
623.281-034	MAINTENANCE MECHANIC, ENGINE	3	3	3	7	M346	I5	49.0306	6130	51042	50081806	518
825.381-030	ELECTRICIAN	4	3	3	8	M2346	I6	46.0302 47.0105 49.0306	6432	55B12	50021401	575
911.131-010	BOATSWAIN	4	2	3	7	L56	O		7100	55T50	61084801	633
911.133-010	CADET, DECK	4	4	3	6	L23456	B		8243	55B29	50040003	829
911.364-010	ABLE SEAMAN	3	2	2	5	H246	06		8243	55T51	61084802	829
911.664-014	SAILOR, PLEASURE CRAFT	3	2	2	5	H2346	B		8243	55T52	61084803	829
911.667-014	HATCH TENDER	2	1	1	2	L4	05	49.0203	8769	55T5[illegible]	80002899	889
911.667-018	SOUNDER	3	2	2	2	M346	O		8646	59003	80002899	866
911.687-022	DECKHAND	2	1	1	4	H2346	B456		8243	55T52	61084803	829
911.687-030	ORDINARY SEAMAN	3	1	1	4	M246	046		8243	55T52	61084803	829

PROGRAM: 49.0399 WATER TRANSPORTATION, OTHER.
ANY INSTRUCTIONAL PROGRAM IN WATER TRANSPORTATION NOT DESCRIBED ABOVE.

PROGRAM: 49.9900 TRANSPORTATION AND MATERIAL MOVING, OTHER.
A GROUP OF INSTRUCTIONAL PROGRAMS IN TRANSPORTATION AND MATERAIL MOVING NOT DESCRIBED ABOVE.

PROGRAM: 49.9999 TRANSPORTATION AND MATERIAL MOVING, OTHER.
ANY INSTRUCTIONAL PROGRAM IN TRANSPORTATION AND MATERIAL MOVING NOT DESCRIBED ABOVE.

* U.S. GOVERNMENT PRINTING OFFICE: 1983-394-860